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Parts I and II
November 2002

AFSC 2A6X5

AIRCRAFT HYDRAULIC SYSTEMS



CAREER FIELD EDUCATION AND TRAINING PLAN

**CAREER FIELD EDUCATION AND TRAINING PLAN
AIRCRAFT HYDRAULIC SYSTEMS
AFSC 2A6X5, November 2002**

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**AIRCRAFT HYDRAULIC SYSTEMS SPECIALTY
CAREER FIELD EDUCATION AND TRAINING PLAN
AFSC 2A6X5
November 2002**

PART I

PREFACE

1. This Career Field Education and Training Plan (CFETP) is a comprehensive education and training document that identifies life-cycle education/training requirements, training support resources, and minimum core task requirements for 2A6X5, Aircraft Hydraulic Systems Specialty. The CFETP will provide personnel a clear career path to success and instills rigor in all aspects of career field training. This CFETP supersedes 2A6X5 CFETP, January 1998; Change 1, 1 March 1999; and Change 2, October 2000.

NOTE: Civilians occupying associated positions will use Part II to support duty position qualification training.

2. The CFETP consists of two parts. Supervisors to will use both parts to plan, manage, and control training.

2.1 Part I provides information necessary for overall management of the specialty. Section A explains how everyone will use the plan. Section B identifies career field progression information, duties and responsibilities, training strategies, and career field path. Section C associates each level with specialty qualifications (knowledge, education, training, and other). Section D indicates resource constraints to accomplishing this plan, such as funds, manpower, equipment, and facilities. Section E identifies transition training guide requirements for SSgt through MSgt.

2.2 Part II includes the following: Section A identifies the Specialty Training Standard (STS) and includes duties, tasks, technical references to support training; Air Education and Training Command (AETC) conducted training, wartime course/core task and correspondence course requirements. Section B contains the course objective list and training standards supervisors will use to determine if airmen have satisfied training requirements. Section C identifies available support materials, such as Qualification Training Package (QTP) which may be developed to support proficiency training. Section D identifies a training course index that supervisors can use to determine if resources are available to support training. Included here are both mandatory and optional courses. Section E identifies MAJCOM unique training requirements supervisors can use to determine additional training required for the associated qualification needs. At unit level, supervisors and trainers will use Part II to identify, plan, and conduct training commensurate with the overall goals of this plan.

3. Using guidance provided in the CFETP will ensure individuals in this specialty receive effective and efficient training at the appropriate point in their career. This plan will enable us to train today's work force for tomorrow's jobs.

ABBREVIATIONS/TERMS EXPLAINED

Advanced Training. Formal course which provides individuals who are qualified in their Air Force Specialty (AFS) with additional skills/knowledge to enhance their expertise in the career field. Training is for selected career airmen at the advanced level of an AFS.

Air Force Job Qualification Standard (AFJQS). A comprehensive task list that describes a particular job type or duty position. Supervisors use the AFJQS to document task qualifications. The tasks of AFJQS are common to all persons serving in the described duty position.

Career Field Education and Training Plan (CFETP). A CFETP is a comprehensive, multipurpose document covering the entire spectrum of education and training for a career field. It outlines a logical growth plan that includes training resources and is designed to make career field training identifiable, to eliminate duplication, and to ensure this training is budget defensible.

Continuation Training. This is additional training that exceeds minimum upgrade requirements and has an emphasis on present or future duty assignments.

Core Task. Tasks that the Air Force Career Field Manager (AFCFM) identifies as minimum qualification requirements within an Air Force Specialty. Only a percentage of critical tasks for each system are listed as mandatory core tasks. This gives units needed flexibility to manage their workforce training. Core tasks identified with */R are optional for ANG and AFRC.

Course Objective List (COL). A publication identifying the tasks and knowledge requirements, and respective standards provided to achieve a 3-/7-level in this career field. Supervisors use the COL to assist in conducting graduate evaluations in accordance with AFI 36-2201, Developing, Managing and Conducting Military Training Programs

Enlisted Specialty Training (EST). A mix of formal training (technical school) and informal training (on-the-job) to qualify and upgrade airmen in each skill level of a specialty.

Exportable Training. Additional training via computer assisted, paper text, interactive video, or other necessary means to supplement training.

Field Technical Training (Type 4). Special or regular on-site training conducted by a training detachment (TD) or by a mobile training team (MTT).

Initial Skills Training. A formal school course that results in the award of a 3-skill level AFSC.

Instructional System Development (ISD). A deliberate and orderly process for developing, validating, and reviewing instructional programs that ensures personnel are taught the knowledge and skills essential for successful job performance.

Occupational Survey Report (OSR). A detailed report showing the results of an occupational survey of tasks performed within a particular AFS.

On-the-Job Training (OJT). Hands-on, over-the-shoulder training at the duty location used to certify personnel for both skill level upgrade and duty position qualification.

Qualification Training (QT). Actual hands-on task performance training designed to qualify an airman in a specific duty position. This training program occurs both during and after the upgrade training process. It is designed to provide the performance skill/knowledge training required to do the job.

Qualification Training Package (QTP). An instructional course designed for use at the unit to qualify or aid qualification in a duty position or program or on a piece of equipment. It may be printed, computer based, or in other audiovisual media.

Resource Constraints. Resource deficiencies, such as money, facilities, time, manpower, or equipment, that preclude desired training from being accomplished.

Specialty Training Standard (STS). An Air Force publication that describes an Air Force Specialty in terms of tasks and knowledge an airman may be expected to perform or to know on the job. It serves as a contract between AETC and the functional user to show which of the overall training requirements for an AFSC are taught in formal schools, Career Development Courses, and exportable courses.

Training Setting. The type of forum in which training is provided (formal resident school, on-the-job, field training, mobile training team, self-study, etc.).

Upgrade Training. A mixture of mandatory courses, task qualification, QTPs, and CDCs required for award of the 3-, 5-, 7-, or 9-skill levels.

Utilization and Training Workshop (U&TW). A forum, co-chaired by the AFCFM and Training Pipeline Manager, of MAJCOM Air Force Specialty Code (AFSC) functional managers, Subject Matter Experts (SMEs), and AETC training personnel that determines career ladder training requirements.

SECTION A - GENERAL INFORMATION

1. Purpose. This CFETP provides the information necessary for Air Force Career Field Manager (AFCFM), MAJCOM functional managers (MFM), commanders, training managers, supervisors, and trainers to plan, develop, manage, and conduct an effective career field training program. This plan outlines the training that individuals in AFSC 2A6X5 should receive in order to develop and progress throughout their career. This CFETP identifies initial skill, upgrade, qualification, advanced, and proficiency training. Initial skills training is the AFS specific training an individual receives upon entry into the Air Force or upon retraining into this specialty for award of the 3-skill level. This training is conducted by AETC at Sheppard AFB, TX. Upgrade training identifies the mandatory courses, task qualification requirements, and correspondence course completion requirements for award of the 3-, 5-, 7-, 9-skill levels. Qualification training is actual hands-on task performance training designed to qualify an airman in a specific duty position. This training program occurs both during and after the upgrade training process. It is designed to provide the performance skills/knowledge required to do the job. Advanced training is formal specialty training used for selected airmen. Proficiency training is additional training, either in-residence or exportable advanced training courses, or on-the-job training, provided to personnel to increase their skills and knowledge beyond the minimum required for upgrade. The CFETP has several purposes, some are:

- 1.1.** Serves as a management tool to plan, manage, conduct, and evaluate a career field training program. Also, it is used to help supervisors identify training at the appropriate point in an individual's career.
- 1.2.** Identifies tasks and knowledge training requirements for each skill level in the specialty and recommends education/training throughout each phase of an individual's career.
- 1.3.** Lists training courses that are available in the specialty and identifies sources of training, and the training delivery method.
- 1.4.** Identifies major resource constraints which impact full implementation of the desired career field training process.

2. Use of the CFETP. This plan will be used by MFM and supervisors at all levels to ensure comprehensive and cohesive training programs are available for each individual in the specialty.

2.1. AETC training personnel will develop or revise formal resident, non-resident, Training Detachment (TD), and exportable training based upon requirements established by the users and documented in Part II of the CFETP. They will also work with the AFCFM to develop acquisition strategies for obtaining the resources needed to provide the identified training.

2.2. MFM will ensure their training programs complement the CFETP mandatory initial, upgrade, and proficiency requirements. OJT, resident training, contract training, or exportable courses can satisfy these identified requirements. MAJCOM developed training, to support this AFSC, must be identified for inclusion in this plan and must not duplicate other available training resources.

2.3. Each individual will complete the mandatory training requirements specified in this plan. The list of courses in Part II will be used as a reference to support training.

3. Coordination and Approval. The AFCFM is the approval authority. The AETC training manager for AFSC 2A6X5 will initiate an annual review of this document by AETC and MFM to ensure currency and accuracy. The using MAJCOM representatives and AETC training personnel will identify and coordinate on the career field training requirements. Using the list of courses in Part II, they will eliminate duplicate training.

SECTION B - CAREER FIELD PROGRESSION AND INFORMATION

4. Specialty Descriptions.

4.1. Specialty Summary. Refer to AFMAN 36-2108, *Airman Classification*, paragraph 1. Performs and supervises aircraft hydraulic functions and activities. Troubleshoots, inspects, removes, installs, repairs, modifies, overhauls, and operates aircraft hydraulic systems, components, and associated support equipment. Related DoD Occupational Subgroup: 602.

4.2. Duties and Responsibilities: Refer to AFMAN 36-2108, paragraph 2.

4.2.1. Aircraft Hydraulic Systems Apprentice and Journeyman: Inspects, operates, troubleshoots, removes, repairs, overhauls, and installs aircraft hydraulic and pneumatic systems and components, including support equipment (SE). Identifies and isolates malfunctions, services, bleeds, bench checks, rigs, and performs adjustments to aircraft hydraulic components, associated electrical components, power systems, landing gear, nose wheel steering, brakes, flight controls, weapons/cargo door systems, air refueling receiving systems, in-flight refueling systems, hoist/winch systems, engine start systems, recovery systems, arresting gear, air induction systems, and canopy systems. Inspects and pressure tests hydraulic line/tube assemblies. Drains and flushes hydraulic systems. Overhauls, repairs, adjusts, aligns, and tests hydraulic system/sub-system components. Fabricates and pressure tests hose assemblies. Operates and maintains shop equipment. Uses hydraulic, pneumatic, and electronic principles and fundamentals, technical orders, and schematic diagrams to isolate malfunctions. Records pertinent data on equipment maintenance data collection forms and/or enters data into Automated Maintenance Systems. Maintains inspection and maintenance records. Recommends methods to improve equipment, performance, and maintenance procedures. Handles, labels, and disposes of hazardous materials and waste according to environmental standards.

4.2.2. Aircraft Hydraulic Systems Craftsman: Interprets publications, inspects, analyzes, troubleshoots, performs maintenance, and provides expertise on hydraulic systems, and associated equipment. Establishes priorities for completion of maintenance tasks and provides assistance in solving maintenance, supply, and personnel problems. Evaluates requirements for quality deficiency reports. Provides training and task certification for skill level advancement. Supervises and evaluates job performance and maintenance techniques used to interpret, operate, troubleshoot, remove, repair, service, overhaul, and install aircraft hydraulic components and SE. Ensures hazardous materials and waste are handled, stored, and disposed of according to environmental standards. Ensures safety compliance.

4.2.3. Maintenance Superintendent: Manages maintenance and staff functions on aircraft hydraulic, fuel, electrical, environmental, and aircrew egress systems. Interprets and evaluates directives and publications, inspection findings, records, and reports and recommends corrective actions. Determines operational status and evaluates operational effectiveness of aircraft and associated systems. Inspects and evaluates maintenance activities and resolves problems. Interprets and establishes safety and training guidelines. Plans, organizes, directs and controls maintenance inspection, troubleshooting, and repair activities. Controls resources, and manages funds. Manages the hazardous materials and waste programs.

5. Career Skill Progression. Adequate training and timely progression from the apprentice to the superintendent skill level play an important role in the Air Force's ability to accomplish its mission. It is essential that everyone involved in training do their part to plan, develop, manage, and conduct an effective training program. The guidance provided in this part of the CFETP will ensure each individual receives viable training at appropriate points in their career

5.1. Apprentice (3-level): Upon completion of initial skills training, a trainee will work with a trainer to enhance their knowledge and skills. They will utilize the Career Development Course, Task Qualification Training, and available exportable courses for continued advancement. Once task certified, a trainee may perform the task unsupervised. Apprentices can be considered for appointment as unit trainers after completion of a formal trainer course.

5.2. Journeyman (5-level). Once upgraded to the 5-level, the journeyman will enter into continuation training to broaden their experience base by increasing their knowledge and skill in troubleshooting and solving more complex problems. Five-levels may be assigned job positions such as quality assurance and various staff positions. After having 48 months in the Air Force, 5-levels will attend Airman Leadership School (ALS) to enhance their Professional Military Education (PME). Five-levels will be considered for appointment as unit trainers. Individuals will use their CDCs to prepare for Weight Airman Promotion testing. They should also consider continuing their education toward a Community College of the Air Force (CCAF) degree.

5.3. Craftsman (7-level): A craftsman can expect to fill various supervisory and management positions such as shift leader, element chief, flight/section chief, and task certifier. They can also be assigned to work in staff positions. Craftsmen should take courses to obtain added knowledge on management of resources and personnel. Continued academic education through CCAF and higher degree programs is encouraged. In addition, when promoted to TSgt, individuals will complete the Noncommissioned Officer Academy.

5.4. Superintendent (9-level): A 9-level can be expected to fill positions such as flight chief, production supervisor, and various staff NCOIC jobs. Additional training in the areas of budget, manpower, resources, and personnel management should be pursued through continuing education. Additional higher education and completion of courses outside their career AFSC are also recommended.

6. Training Decisions: The CFETP uses a building block approach (simple to complex) to encompass the entire spectrum of training requirements for the Aircraft Hydraulic Systems Career Field. The spectrum includes a strategy for when, where, and how to meet these training

requirements. The strategy must be apparent and affordable training to reduce duplication of training and eliminate a disjointed approach to training. The following training decisions were made by MAJCOM Functional Managers and Subject Matter Experts (SMEs) at the career field Utilization and Training Workshop held at Sheppard AFB, January 2002.

6.1. Initial Skills: Overall, the curriculum for the J3ABR2A635 000 Course is well organized and meets the needs of today's trainee. Reviews of both the CFETP and Plan of Instruction were accomplished with minor changes being incorporated to clarify comprehension. The class structure and time length remained the same. Graduate Assessment Surveys completed by gaining supervisors between April 00 – 01 indicated a 96% satisfaction rating of technical training graduates.

6.2. Five-Level Upgrade Training: The following changes will be made to the 2A655 CDC:

- (1) Volume 1 will require a rewrite. Will need to revise and update the lesson on Organizational Structure, Update lesson on Inspection Concepts, Supply discipline and property accountability, Technical publications, and AFTO Form 22. Revise Compressed air and pressurized fluid hazards lesson, and update various figures throughout the volume.
- (2) Volume 2 will require a rewrite. Revise Fundamentals of Troubleshooting lesson. Update Operating and maintaining the hose cutting and skiving machine lesson. Update various figures throughout the volume.
- (3) Volume 3 will require a rewrite. A complete new lesson on Flight Control Systems and Cargo Door and Ramp (C-17). Also need to update various figures throughout the volume.

6.3. Seven-Level Upgrade Training. It was suggested during the STS review that a 'hands-on' inspection be included in the plan of instruction (POI). The proposed changes will be to add a Red X inspection with associated forms documentation. A forms documentation exercise would be added for the IPI. These changes would add approximately one hour to the lesson. This additional time would come from deleting an hour from the electronic workbench portion of the course. The result would be a zero net gain of course time/length. The school house indicated they can accommodate this suggestion .

7. Community College of the Air Force (CCAF) Academic Programs. Enrollment in CCAF occurs upon completion of basic military training (BMT). CCAF provides the opportunity to obtain an Associates in Applied Sciences Degree. In addition to its associate degree program, CCAF offers the following:

7.1. Occupational Instructor Certification. Upon completion of instructor qualification training, consisting of the instructor methods course and supervised practice teaching, CCAF instructors who possess an associates degree or higher may be nominated by their school commander and commandant for certification as an occupational instructor.

7.2 Trade Skill Certification. When a CCAF student separates or retires, a trade skill certification is awarded for the primary occupational specialty. The college uses a competency based assessment process for trade skill certification at one of four proficiency levels; Apprentice, Journeyman, Craftsman (Supervisor), or Master Craftsman (Manager). All are transcribed on the CCAF transcript.

7.3. Degree Requirements: All airmen are automatically entered into the CCAF program. Prior to completing an associate degree, the 5-level must be awarded and the following requirements must be met:

	Semester Hours
Technical Education.....	24
Leadership, Management, and Military Studies.....	6
Physical Education	4
General Education	15
Program Elective	15
Technical Education; Leadership, Management, and Military Studies; or General Education	
Total	64

7.3.1. Technical Education (24 Semester Hours): A minimum of 12 semester hours of Technical Core subjects and courses must be applied and the remaining semester hours applied from Technical Core or Technical Elective subjects and courses. Completion of the initial skills resident training at Sheppard AFB satisfies all or part of the technical education requirement.

7.3.2. Leadership, Management, and Military Studies (6 Semester Hours): Professional military education and/or civilian management courses.

7.3.3. Physical Education (4 Semester Hours): This requirement is satisfied by completion of Basic Military Training.

7.3.4. General Education (15 Semester Hours): Applicable courses must meet the criteria for application of courses to the General Education Requirements (GER) and be in agreement with the definitions of applicable General Education subjects/courses as provided in the *CCAF General Catalog*.

7.3.5. Program Elective (15 Semester Hours): Satisfied with applicable Technical Education; Leadership, Management, and Military Studies; or General Education subjects and courses, including natural science courses meeting GER application criteria. Six semester hours of CCAF degree-applicable technical credit otherwise not applicable to this program may be applied. See the *CCAF General Catalog* for details regarding the Associates of Applied Science for this specialty.

7.4. Additional off-duty education is a personal choice that is encouraged for all. Individuals desiring to become an AETC Instructor should be actively pursuing an associate's degree. A degreed faculty is necessary for to maintain accreditation through the Southern Association of Colleges and Schools.

8. Career Field Path

8.1. Enlisted Career Path. Table 8.1 identifies career milestones for the 2AXXX Air Force Specialty.

Table 8.1 Enlisted Career Path				
Education and Training Requirements	Grade Requirements			
	Rank	Average Sew-On	Earliest Sew-On	High Year Of Tenure (HYT)
Basic Military Training School				
Apprentice Technical School (3-Skill Level)	Amn A1C	6 months 16 months		
Upgrade To Journeyman (5-Skill Level) - Minimum 15 months on-the-job training. - Minimum 9 months on-the-job training for retrainees. - Complete all 5-level core tasks on one MDS. - Complete appropriate CDC if/when available.	Amn A1C SrA	6 months 16 months 3 years	28 months	10 Years
Airman Leadership School (ALS) - Must be a SrA with 48 months time in service or be a SSgt Selectee. - Resident graduation is a prerequisite for SSgt sew-on (Active Duty Only).				
Trainer - Qualified and certified to perform the task to be trained. - Must attend formal OJT Trainer Training and by Commander.			Certifier - Be at least a 5-skill level SSgt; and qualified and certified to perform the task being certified - Attend formal OJT Certifier Course and appointed by Commander. - Be a person other than the trainer except for AFSCs, duty positions, units and/or work centers with specialized training standardization and certification requirements.	
Upgrade To Craftsman (7-Skill Level) - Minimum rank of SSgt. - Minimum 12 months on-the-job training. - Minimum 6 months on-the-job training for retrainees. - Complete all 5- and 7-level core tasks on one mission design aircraft. - Complete appropriate CDC if/when available. - Attend Craftsman course, if applicable.	SSgt	7.5 years	3 years	20 Years

Noncommissioned Officer Academy (NCOA) - Must be a TSgt or TSgt Selectee. - Resident graduation is a prerequisite for MSgt sew-on (Active Duty Only).	TSgt MSgt	12.5 years 16 years	5 years 8 years	22 Years 24 Years
USAF Senior NCO Academy (SNCOA) - Must be a SMSgt or SMSgt Selectee. - Resident graduation is a prerequisite for CMSgt sew-on (Active Duty Only). - A percentage of top non-select (for promotion to E-8) MSgts attend the SNCOA each year.	SMSgt	19.2 years	11 years	26 Years
Upgrade To Superintendent (9-Skill Level) - Minimum rank of SMSgt.	CMSgt	21.5 years	14 years	30 Years

8.2. Base/Unit Education and Training Manager Checklist:

Table A8.2. Base/Unit Education and Training Manager Checklist		
Requirements for Upgrade to:	Y	N
Journeyman <ul style="list-style-type: none"> - Has the apprentice completed mandatory CDCs, if available? - Has the apprentice completed all appropriate 5-level core tasks identified in the CFETP? - Has the apprentice completed all other duty position tasks identified by the supervisor? - Has the apprentice completed 15 months training (9 months for retrainees) for award of the 5-skill level? - Has the apprentice met mandatory requirements listed in specialty description, AFMAN 36-2108 (Airman Classification), and CFETP? - Has the apprentice been recommended by their supervisor? 		
Craftsman <ul style="list-style-type: none"> - Has the journeyman achieved the rank of SSgt? - Has the journeyman completed mandatory CDCs? - Has the journeyman completed all core tasks identified in the CFETP? - Has the journeyman completed all other duty position tasks identified by the supervisor? - Has the journeyman attended 7-skill level Craftsman Course? - Has the journeyman completed a minimum 12 months UGT (6 months for retrainees) for award of the 7-skill level? 		

TO: Squadron/CC

FROM: Squadron Training Manager

SUBJECT: Upgrade Trainee

Trainee is prepared to be upgraded and has completed all training requirements.

Training Manager

Supervisor

SECTION C - SKILL LEVEL TRAINING REQUIREMENTS

9. Purpose. Skill level training requirements in this career field are defined in terms of tasks and knowledge requirements. This section outlines the specialty qualification requirements for each skill level in broad, general terms and establishes the mandatory requirements for entry, award, and retention of each skill level. The specific tasks and knowledge training requirements are identified in Part II, Section A, Specialty Training Standard (STS) and Section A and B of this CFETP.

10. Specialty Qualification Requirements. .

10.1. Apprentice Level Training.

10.1.1. Specialty Qualification: This information will be located in the official specialty description in AFMAN 36-2108, paragraph 3.

10.1.1.1. Knowledge: Knowledge is mandatory of: electrical, electronic, and mechanical principles applying to aircraft hydraulic systems; concepts and application of maintenance directives; using and interpretation of wiring diagrams, blueprints, and technical orders; and proper handling, use, and disposal of hazardous waste materials. Apprentices must be qualified to remove and install system components, perform operational checks, and troubleshoot simple malfunctions using system schematics.

10.1.1.2. Education: For entry into this specialty, completion of high school with courses in basic electronics, mathematics, general science and mechanics is desirable.

10.1.1.3. Training: For award of AFSC 2A635, completion of a basic aircraft E&E systems maintenance course is mandatory.

10.1.1.4. Experience: There is no experience necessary for entry into AFSC 2A635.

10.1.1.5. Other: For entry into this specialty, normal color vision as defined in AFMAN 48-123 is mandatory.

10.1.2. Training Sources and Resources. The initial skills course, J3ABR2A635-XXX, Aircraft Hydraulic Systems Apprentice will provide the required knowledge and qualifications. Initial skills training encompasses hydraulic system theory and operation, electrical and electronic principles, system components, component removal and installation, introduction to maintenance concepts, general flight line maintenance practices, use of technical publications, maintenance documentation, and support equipment familiarization and use.

10.1.3. Implementation. Upon graduation from Basic Military Training, airmen are assigned to the Training Wing for completion of Course J3ABR2A635-XXX, Aircraft Hydraulic Systems Apprentice. Completion of this course will result in award of the 3-skill level.

10.2. Journeyman Level Training:

10.2.1. Specialty Qualification: This information will be located in the official specialty description in AFMAN 36-2108, paragraph 3.

10.2.1.1. Knowledge: In addition to the 3-level qualifications, a 5-level must possess the knowledge and skills necessary to maintain hydraulic systems and associated subsystems. An individual must be task qualified on inspecting Aircraft Hydraulic Systems and components, troubleshooting and correcting system malfunctions, and repairing and replacing system components. Journeymen perform operational checks, component repair, and use and

maintenance of test and support equipment. Individuals can apply the proper handling, use, and disposal of hazardous waste and materials.

10.2.1.2. Education: There are no formal education requirements for upgrade to 2A655.

10.2.1.3. Training: Requirements for the Journeyman level require completion of the 5-level CDC and completion of the core tasks specified in the STS.

10.2.1.4. Experience. Qualification in and possession of AFS 2A635 and completion of all 5-level core tasks on one MDS aircraft identified in the STS is mandatory.

10.2.1.5. Other: Normal color vision as defined in AFMAN 48-123 is mandatory.

10.2.2. Training Sources and Resources. The 5-level CDC provides the career knowledge training required. Qualification training and OJT will provide training and qualification on the core tasks identified in the STS, or AFJQS. The CDC is written to build from the trainee's current knowledge base, and provides more in-depth knowledge to support OJT requirements.

10.2.3. Implementation. The units utilizing this STS, exportable courses, and CDCs perform training to the 5-level. Upgrade to the 5-level requires completion of the 2A655 CDC and 15 months upgrade training.

10.3. Craftsman Level Training:

10.3.1. Specialty Qualification. This information will be located in the official specialty description in AFMAN 36-2108, paragraph 3.

10.3.1.1. Knowledge. In addition to the 5-level qualifications, an individual must possess advanced skills and knowledge of theory, concepts, principles and application of hydraulic systems. The 7-level must be able to supervise and train personnel to maintain hydraulic systems. They must be able to plan, schedule, and organize maintenance to ensure effective utilization of available resources. Qualification is required on advanced repair, inspection, troubleshooting, and diagnostic techniques. Historical documentation analysis is also required for all 7-levels.

10.3.1.2. Education. There are no additional education requirements beyond those defined for the apprentice level.

10.3.1.3. Training. Completion of CDC 2A675, CDC 2AX7X, and the resident 7-level course, J3ACR2A675 XXX, at Sheppard AFB TX is mandatory for upgrade to AFSC 2A675.

10.3.1.4. Experience. Completion of all required 7-level core tasks as identified in the STS, and qualification in and possession of AFSC 2A655. Also, experience performing or supervising functions such as installing, maintaining, or repairing aircraft hydraulic systems.

10.3.1.5. Other. Normal color vision as defined in AFMAN 48-123 is mandatory.

10.3.2. Training Sources and Resources. Seven-level upgrade training will be conducted by certified trainers using AF core tasks, unit/MAJCOM specific courses, and the formal 7-level course, J3ACR2A675-000. The 7-level CDC and resident courses are written to provide advanced system and management knowledge, and troubleshooting skills.

10.3.3. Implementation. The units utilizing the STS, AFJQS, and CDCs perform training to the 7-level. Upgrade to the 7-level requires completion of CDC 2AX7X and CDC 2A675, completion of all core tasks, 12 months upgrade training, completion of the advanced (Craftsman) in-resident technical school, and promotion to E-5.

10.4. Superintendent Level Training (9-Level).

10.4.1. Specialty Qualification. This information will be located in the official specialty description in AFMAN 36-2108, paragraph 3.

10.4.1.1. Knowledge. In addition to 7-level qualifications, an individual must possess advanced skills and knowledge of concepts and principles in the management of aircraft maintenance. The 9-level needs to be an effective leader; must be able to forecast, budget and manage funds and other resources; and must be knowledgeable of all environmental standards and ensure adherence to the proper handling and disposal of hazardous materials.

10.4.1.2. Education. There are no additional requirements beyond those defined for the apprentice level.

10.4.1.3. Training. For award of AFSC 2A690, promotion to SMSgt is mandatory

10.4.1.4. Experience. Qualification in and possession of AFSC 2A675. Also, experience managing or directing repair activities for hydraulic systems and associated maintenance functions.

10.4.1.5. Other. Normal color vision as defined in AFMAN 48-123 is mandatory.

10.4.2. Training Sources and Resources. The Senior NCO Academy and unit OJT will be used for training.

10.4.3. Implementation. The 9-level will be awarded after promotion to SMSgt.

SECTION D - RESOURCE CONSTRAINTS

11. Purpose: This section of the CFETP identifies known resource constraints which preclude optimum and desired training from being developed or conducted, including information such as cost and manpower. Narrative explanations of each resource constraint and an impact statement describing what effect each constraint has on training are included. Also included in this section are actions required, office of primary responsibility, and target completion dates. Resource constraints will be, as a minimum, reviewed and updated annually.

12. Apprentice Level Training. No resource constraints identified.

13. Journeyman Level Training. No resource constraints identified.

14. Craftsman Level Training. No resource constraints identified.

PART II

SECTION A - SPECIALTY TRAINING STANDARD

1. Implementation. This STS will be used for technical training provided by Air Education and Training Command (AETC) for classes beginning January 2003.

2. Purpose. As prescribed in AFI 36-2201, this STS:

2.1. Lists in the column 1 (Task, Knowledge, and Technical Reference) the most common tasks, knowledge, and technical references (TR) necessary for airmen to perform duties in the 3-, 5-, and 7-skill level. An asterisk (*) before the number indicates a wartime course objective.

2.2. Identifies in column 2 (Core Tasks) by asterisk (*), specialty-wide training requirements. Core tasks identified with an *R are optional for the AFRC and the ANG. MAJCOM Functional Managers, commanders, and supervisors may designate additional critical tasks as necessary. When designated, certify these critical tasks using normal core task certification procedures. As a minimum, certification on all AFCFM directed core tasks applicable to the specialty must be completed for skill level upgrade. Exemptions:

2.2.1. Core tasks which are not applicable to base assigned aircraft or equipment are not required for upgrade (units are not required to send personnel TDY for core task training)

2.2.2. For units with more than one mission design (e.g. A-10) aircraft, upgrade trainees need only complete core tasks on a single mission design. MFM's, unit commanders, and/or supervisors may require trainees to complete core task training on additional mission design aircraft, if desired. If some of these core tasks involve training in another unit on base, trainees must still complete all core tasks relevant to at least one mission design aircraft.

Flightline-assigned personnel must complete backshop core tasks and vice versa. All units are bound by the requirements in this CFETP and will accommodate core task trainees from other units.

2.2.3. Units that use the GO81 maintenance data collection system do not need to complete Core Automated Maintenance System (CAMS) Computer Based Training (CBT) core tasks. However, these units must be capable of training CAMS related CBT core tasks for deployment preparation. This capability ensures GO81 users are capable of operating CAMS prior to deploying to CAMS using units. This requirement will remain in effect until GO81 and CAMS are converted to the Integrated Maintenance Data System (IMDS).

2.3. Provides certification for OJT. Column 3 is used to record completion of tasks and knowledge training requirements. Use CAMS to document technician qualifications, if available. Task certification must show a certification or completed date.

2.4. Shows formal training and correspondence course requirements. Column 4 shows the proficiency to be demonstrated on the job by the graduate as result of training on the task/knowledge and the career knowledge provided by the correspondence course. provided in the course due to equipment shortages or other resource constraints.

2.5. Qualitative Requirements. Attachment 1 contains the proficiency code key used to indicate the level of training and knowledge provided by resident training and career development courses.

2.6. Job Qualification Standard. Becomes a job qualification standard (JQS) for on-the-job training when placed in AF Form 623, **On-The-Job Training Record**, and used according to AFI 36-2201. For OJT, the tasks in column 1 are trained and qualified to the go/no go level. "Go" means the individual can perform the task without assistance and meets local requirements for accuracy, timeliness, and correct procedures. When used as a JQS, the following requirements apply:

2.6.1 Documentation. Document and certify completion of training IAW AFI 36-2201. Automated records, utilizing Core Automated Management System (CAMS) reflecting this STS is highly encouraged. Use of attachments one, two, and four are mandatory in individual training records along with CFETP Part I and Part II, Section A. Use of at least one of attachments three or five through seventeen is required.

2.6.1.1. Converting from Old Document to CFETP. All AFJQSSs and previous CFETPs are replaced by this CFETP; therefore, conversion of all training records to this CFETP STS is mandatory. Use this CFETP STS (or automated STS) to identify and certify all past and current qualifications. Document and certify all previous and current training IAW AFI 36-2201.

2.7. Is a guide for development of promotion tests used in the Weighted Airman Promotion System (WAPS). Specialty Knowledge Tests (SKTs) are developed at the USAF Occupational Measurement Squadron, by Senior NCOs with extensive practical experience in their career fields. The tests sample knowledge of STS subject matter areas judged by test development team members as most appropriate for promotion to higher grades. Questions are based upon study references listed in the WAPS catalog. Individual responsibilities are in AFI 36-2502, *Airman Promotion Program*. WAPS is not applicable to the Air National Guard or Air Force Reserve.

3. Recommendations. Report unsatisfactory performance of individual course graduates to the AETC Training Manager at 364 TRS/TRR, 511 9th Ave. Suite 1, Sheppard AFB TX, 76311-2338, DSN 736-2772. Reference specific STS paragraphs. For a quick response to problems, call our customer service information line, DSN 736-2574.

BY ORDER OF THE SECRETARY OF THE AIR FORCE

OFFICIAL

MICHAEL E. ZETTLER, Lieutenant General, USAF
DCS/Installations and Logistics

15 Attachments:

1. Proficiency Code Key (Mandatory)
2. Training Requirements, Fundamentals (Mandatory)
3. Generic Aircraft Training Requirements (Optional)
4. CDC 2AX7X Training Requirements (Mandatory)
5. Training Requirements, B-1 (Optional)
6. Training Requirements, B-2 (Optional)
7. Training Requirements, B-52 (Optional)
8. Training Requirements, C-5 (Optional)
9. Training Requirements, C-9 (Optional)
10. Training Requirements, C-17 (Optional)
11. Training Requirements C-130 (Optional)
12. Training Requirements C-135 (Optional)
13. Training Requirements, C-141 (Optional)
14. Training Requirements E-3 (Optional)
15. Fighter Training Requirements (Optional)
16. Training Requirements KC-10 (Optional)
17. Training Requirements MH-53 (Optional)

SPECIALTY TRAINING STANDARD

STS 2A6X5, November 2002

<i>This Block Is For Identification Purposes Only</i>		
Name Of Trainee		
Printed Name (Last, First, Middle Initial)	Initials (Written)	SSAN
Printed Name Of Training/Certifying Official And Written Initials		
<i>N/I</i>	<i>N/I</i>	

QUALITATIVE REQUIREMENTS

Proficiency Code Key

	Scale Value	Definition: The individual
Task Performance Levels	1	IS EXTREMELY LIMITED (Can do simple parts of the task. Needs to be told or shown how to do most of the task.)
	2	IS PARTIALLY PROFICIENT (Can do most parts of the task. Needs only help on hardest parts.)
	3	IS COMPETENT (Can do all parts of the task. Needs only a spot check of completed work.)
	4	IS HIGHLY PROFICIENT (Can do the complete task quickly and accurately. Can tell or show others how to do the task.)
*Task Knowledge Levels	a	KNOWS NOMENCLATURE (Can name parts, tools, and simple facts about the task.)
	b	KNOWS PROCEDURES (Can determine step by step procedures for doing the task.)
	c	KNOWS OPERATING PRINCIPLES (Can identify why and when the task must be done and why each step is needed.)
	d	KNOWS ADVANCED THEORY (Can predict, isolate, and resolve problems about the task.)
**Subject Knowledge Levels	A	KNOWS FACTS (Can identify basic facts and terms about the subject.)
	B	KNOWS PRINCIPLES (Can identify relationship of basic facts and state general principles about the subject.)
	C	KNOWS ANALYSIS (Can analyze facts and principles and draw conclusions about the subject.)
	D	KNOWS EVALUATION (Can evaluate conditions and make proper decisions about the subject.)

Explanations

* A task knowledge scale value may be used alone or with a task performance scale value to define a level of knowledge for a specific task.
(Example: b and 1b)

** A subject knowledge scale value is used alone to define a level of knowledge for a subject not directly related to any specific task, or for a subject common to several tasks.

- This mark is used alone instead of a scale value to show that no proficiency training is provided in the courses or CDC's.

/ This mark is used in course columns to show that training is required but not given due to limitations in resources (3c/b, 2b/b etc.).

X This mark is used in course columns to show that training is required but not given due to limitations in resources (3c/X).

Note: Tasks and knowledge items shown with an asterisk (*) in column one are trained during war time.

FUNDAMENTAL TRAINING REQUIREMENTS

STS 2A6X5 November 2002

1. Tasks, Knowledge And Technical References	2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/ Information Provided (See Attachment 1)		
	A	B	A	B	C	D	E	A 3 Level	B 5-Level	C 7 Level
	5	7	Tng Start	Tng Comp	Trainee Initials	Trainer Initials	Certifier Initials	Course	CDC	(1) Course (2) CDC

ATTACHMENT 2

NOTE 1: The tasks and knowledge listed in attachment 2 apply to all personnel in the hydraulic systems specialty.

NOTE 2: Tasks and knowledge identified by an asterisk (*) in column 1 are trained in the in-resident AETC wartime courses.

NOTE 3: Users are responsible for annotating training references to identify current references pending STS revision.

NOTE 4: Items marked in columns 2a or 2b marked with a *R are optional core tasks for ANG and AFRC.

NOTE 5: Address comments and recommended changes through the MAJCOM Functional Managers to the AETC Training Manager, DSN 736-2772.

A2.1. SECURITY										
A2.1.1. Communication Security (COMSEC) TR: DOD 5200; 1R, AFP 100-46										
A2.1.1.1. Definition of COMSEC								-	-	-
A2.1.1.2. Classify information								-	-	-
A2.1.1.3. Prevent security violations								-	-	-
A2.1.1.4. Use MAJCOM/FOA EEFIs								-	-	-
A2.1.1.5. Observe security precautions involved in communications								-	-	-
A2.2. Operations Security (OPSEC) TR: AFI 10-1101										
*A2.2.1. Definition of OPSEC								A	-	-
A2.2.2. Relationship of OPSEC to other security programs such as COMSEC, information security, and physical security								-	-	-
A2.2.3. Common OPSEC vulnerabilities								-	-	-
A2.2.4. OPSEC significance of unclassified data								-	-	-
*A2.2.5. Specific OPSEC vulnerabilities								A	-	-
A2.3. AF OCCUPATIONAL SAFETY AND HEALTH (AFOSH) PROGRAM TR: AFI 91-302; Applicable OSHA and AFOSH standards										
*A2.3.1. Hazards of the AFSC 2A6X5								A	B	-
A2.3.2. Initiate AFTO Form 55								-	-	-
*A2.3.3. AFOSH standards for AFSC 2A6X5								A	B	-
A2.3.4. Nuclear safety/nuclear surety regulations TR: AFIs 36-2104, 91-101, 91-104								-	B	-
*A2.3.5. Maintain safe work area TR: AFIs 21-101, 32-2001								2b	B	-
A2.3.6. Use safety practices TR: AFIs 21-101, 32-2001; TOs 32-1-2, 32-1-101; AFOSH 91-2, -3; 91-12, -22, -31, -32, -45, -56, -67, -100; 161-9, -20, -21										
*A2.3.6.1. In shop								2b	B	-
*A2.3.6.2. On flightline								2b	B	-
*A2.3.6.3. Tools/equipment								2b	B	-
*A2.3.6.4. Portable fire extinguishers								b	-	-

FUNDAMENTAL TRAINING REQUIREMENTS

STS 2A6X5 November 2002

1. Tasks, Knowledge And Technical References	2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/ Information Provided (See Attachment 1)		
	A	B	A	B	C	D	E	A 3 Level	B 5-Level	C 7 Level
	5	7	Tng Start	Tng Comp	Trainee Initials	Trainer Initials	Certifier Initials	Course	CDC	(1) Course (2) CDC
*A2.3.7. Initial Federal Hazard Communication Training Program (FHCTP) TR: AFOSH 161-21, 161-21-1W, 161-21-1G								A	-	-
A2.3.8. Select/use restraint harness								-	-	-
A2.3.9. Perform lockout/tagout								-	B	-
A2.4. HAZARDOUS MATERIALS AND WASTE HANDLING ACCORDING TO ENVIRONMENTAL STANDARDS TR: EPA State Regulations; AFI 23-504, Applicable Material Safety Data Sheets (MSDS)										
*A2.4.1. Types of hazardous materials/fluids								B	B	-
*A2.4.2. Handling procedures								B	B	-
*A2.4.3. Storage and labeling								B	B	-
*A2.4.4. Proper disposal								B	B	-
A2.5. MAINTENANCE MANAGEMENT										
A2.5.1. Logistics /Operations Group Organizational Structure TR: AFI 21-101 and applicable MAJCOM directives								-	B	-
*A2.5.2. Basic functions/structure within the maintenance complex								A	B	-
A2.5.3. Minimum Essential Subsystem List (MESL) TR: AFI 21-103								-	-	-
A2.5.4. Process PMEL equipment								-	-	-
A2.6. MAINTENANCE AND INSPECTION										
*A2.6.1. Maintenance systems TR: AFI 21-101								A	B	-
*A2.6.2. Inspection systems TR: TO 00-20 series								A	B	-
A2.6.3. Perform acceptance/transfer inspection on aircraft								-	-	-
A2.6.4. Perform isochronal/phase inspections (A,B,C checks)								-	-	-
A2.6.5. Perform other scheduled maintenance inspections (e.g. HSC, refurb, etc.)								-	-	-
A2.7. MAINTENANCE DATA COLLECTION TR: TO 00-20 series										
*A2.7.1. Principles								A	B	-
*A2.7.2. Data Integrity								A	-	-
A2.7.3. Use maintenance data collection forms TO 00-20 series								-	-	-
*A2.7.4. Use Core Automated Maintenance System (CAMS) TR: TO 00-20 series; AFCSMs 21-556, 561,563, 579	*							2b	-	-
A2.7.4.1 Complete CBT J6ANU00066-043 CAMS for Flightline and Backshop	*							-	-	-
A2.7.5. GO81 (CAMS for Mobility) TR: AMCI 21-101, AMC 1										
A2.7.5.1. Use screen 9099 (MDC/close aircraft discrepancies)	*							-	-	-

FUNDAMENTAL TRAINING REQUIREMENTS

STS 2A6X5 November 2002

1. Tasks, Knowledge And Technical References	2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/ Information Provided (See Attachment 1)		
	A	B	A	B	C	D	E	A 3 Level	B 5-Level	C 7 Level
	5	7	Tng Start	Tng Comp	Trainee Initials	Trainer Initials	Certifier Initials	Course	CDC	(1) Course (2) CDC
A2.7.5.2. Use screen 9050 (Open aircraft discrepancies)								-	-	-
A2.7.5.3. Use screen 9010 (Close aircraft discrepancies)								-	-	-
A2.7.5.4. Use screen 8063 (Jobs closed, no MDC taken)								-	-	-
A2.7.5.5. Use screen 9032 (Generate aircraft forms)								-	-	-
A2.7.5.6. Use screen 9128 (Build repairable item processing tag)								-	-	-
A2.7.5.7. Use screen 8044 (Supply information on an aircraft)								-	-	-
A2.7.5.8. Use screen 8057 (Tail number bin list)								-	-	-
A2.7.6. Forms Documentation										
A2.7.6.1. Aircraft records/781 series forms TR: TO 00-20 series										
*A2.7.6.1.1. Use AFTO Form 781A								2b	B	-
*A2.7.6.1.2. Use AFTO Form 781H								B	B	-
*A2.7.6.1.3. Use AFTO Form 781K								2b	B	-
A2.7.6.1.4. Use AFTO Form 95								-	-	-
*A2.7.6.2. Accomplish support equipment maintenance records TR:TO 00-20 series								A	B	-
A2.8. SUPERVISION										
A2.8.1. Orient new personnel TR: AFI 36-2201								-	-	-
A2.8.2. Assign personnel to work crews TR: AFI 21-101								-	-	-
A2.8.3. Plan work assignments and priorities TR: AFI 21-101								-	-	-
A2.8.4. Schedule work assignments TR: AFI 21-101								-	-	-
A2.8.5. Establish										
A2.8.5.1. Work methods								-	-	-
A2.8.5.2. Controls								-	-	-
A2.8.5.3. Performance standards TR: AFI 21-101								-	-	-
A2.8.6. Evaluate work performance of subordinate personnel TR: AFI 36-2403								-	-	-
A2.8.7. Resolve technical problems for subordinate personnel TR: AFI 21-101								-	-	-
A2.8.8. Counsel personnel and resolve individual problems								-	-	-
A2.8.9. Initiate action to correct substandard performance by personnel TR: AFIs 36-2908, 36-2503								-	-	-
A2.8.10. Inspect Maintenance Actions (IPI, Red X, etc.) TR: TO 00-20-5								-	-	3c B

FUNDAMENTAL TRAINING REQUIREMENTS

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	2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/ Information Provided (See Attachment 1)		
			A	B	C	D	E	A 3 Level	B 5-Level	C 7 Level
	5	7	Tng Start	Tng Comp	Trainee Initials	Trainer Initials	Certifier Initials	Course	CDC	(1) Course
A2.9. TRAINING TR: AFI 36-2201										
*A2.9.1. Management of training								A	B	-
A2.9.2. Evaluate personnel to determine need for training								-	-	-
A2.9.3. Plan and supervise OJT										
A2.9.3.1. Prepare job qualification standards/CFETP								-	-	-
A2.9.3.2. Conduct training								-	-	-
A2.9.3.3. Counsel trainees on their progress								-	-	-
A2.9.3.4. Monitor effectiveness of training										
A2.9.3.4.1. Upgrade								-	-	-
A2.9.3.4.2. Qualification								-	-	-
A2.9.4. Maintain training records								-	-	-
A2.9.5. Accomplish Training Evaluation Reports								-	-	-
A2.9.6. Recommend personnel for training								-	-	-
A2.10. TECHNICAL PUBLICATIONS										
*A2.10.1. Fundamentals of the TO system TR: TO 00-5 series								B	B	-
*A2.10.2. Use technical manuals TR: TO 00-5-1 (Sec II and V); specific equipment technical manuals	*							2b	B	-
*A2.10.3. Use methods and procedures TOs TR: TO 00-XX series	*							2b	B	-
*A2.10.4. Use abbreviated technical orders TR: TO 00-5-1 (sec II), applicable abbrev TOs	*							2b	-	-
*A2.10.5. Comply with Time Compliance TOs TR: AFI 21-101; TO 00-5-15, applicable TCTOs								b	B	-
*A2.10.6. Initiate technical order improvement report TR: TO 00-5-1 (sec V)	*							a	B	-
*A2.10.7. Interactive Electronic Technical Manuals								2b/X	-	-
A2.11. AF SUPPLY TR: AFM 23-111, AFCSM 21-556, TO 00-25-195										
*A2.11.1. Deficiency Reporting System TR: TO 00-35D-54								A	B	-
A2.11.2. Processing and controlling material TR: AFI 21-111, TO 00-20 series										
*A2.11.2.1.. Use AFTO Form 350 Tags								2b	B	-
*A2.11.2.2. Use Condition Tags								2b	B	-
A2.11.2.3. Process repairable assets (DIFM)								-	-	-
*A2.11.2.4. Property accountability								A	B	-

FUNDAMENTAL TRAINING REQUIREMENTS

STS 2A6X5 November 2002

1. Tasks, Knowledge And Technical References	2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/ Information Provided (See Attachment 1)		
	A	B	A	B	C	D	E	A 3 Level	B 5-Level	C 7 Level
	5	7	Tng Start	Tng Comp	Trainee Initials	Trainer Initials	Certifier Initials	Course	CDC	(1) Course (2) CDC
A2.11.3. Principles of supply management								-	A	-
*A2.11.4. SBSS								A	B	-
A2.11.5. Fed Log								-	A	-
A2.11.6. DLA/DLR								-	B	-
A2.11.7. Funds management								-	-	-
A2.11.8. Maintain supply records								-	-	-
A2.11.9. Prepare forms for special requisition, issue								-	-	-
A2.11.10. Equipment Management								-	-	-
A2.11.11. Benchstock/shopstock								-	B	-
A2.12. HYDRAULIC MAINTENANCE PRINCIPLES										
*A2.12.1. Composite Tool Kit (CTK) Program								A	B	-
TR: AFI 21-101										
A2.12.2. Use maintenance materials								-	-	-
TR: AFOSH 91-100; TOs 32-1-2, 32-1-101, 32B14-3-1-101, 00-25-223, 33 Series TOs										
A2.12.2.1. Use Tools										
*A2.12.2.1.1. Handtools								2b	B	-
*A2.12.2.1.2. Mechanical Measuring devices								2b	B	-
A2.12.2.1.3. Electronic Measuring Devices								-	-	-
*A2.12.2.1.4. Multimeters								2b	B	-
A2.12.2.2. Aircraft hardware										
TR TOs 00-25-223, 1-1A-8, 1-1A-14, 44H1-1-13										
*A2.12.2.2.1. Common hardware								2b	B	-
*A2.12.2.2.2. Safety devices								2b	B	-
*A2.12.2.2.3. Sealing devices								2b	B	-
*A2.12.2.3 Fluids								B	B	-
TR: TO 42B2-1-3										
*A2.12.2.4 Lubricants								B	B	-
TR: TO 00-25-223										
*A2.12.2.5. Cleaning agents								B	B	-
TR: TO 1-1-691										
*A2.12.2.6. Sealants								a	B	-
TR: TO 1-1-691										
*A2.12.3. Corrosion identification								A	B	-
TR: TO 1-1-691										
A2.12.4. Hose assemblies										
TR: TO 42E series; Applicable Aircraft TOs										
*A2.12.4.1. Component identification								A	B	-

FUNDAMENTAL TRAINING REQUIREMENTS

STS 2A6X5 November 2002

	2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/ Information Provided (See Attachment 1)		
	A	B	A	B	C	D	E	A 3 Level	B 5-Level	C 7 Level
	5	7	Tng Start	Tng Comp	Trainee Initials	Trainer Initials	Certifier Initials	Course	CDC	(1) Course (2) CDC
1. Tasks, Knowledge And Technical References										
*A2.12.4.2. Determine serviceability	*							A	B	-
A2.12.4.3. Remove and Install								-	-	-
A2.12.4.4. Fabricate										
*A2.12.4.4.1. Machine								1b	B	-
*A2.12.4.4.2. Hand	*							2b	B	-
*A2.12.4.5. Test	*							1b	-	-
A2.12.5. Tubing assemblies										
TR: TO 1-1A-8, Applicable Aircraft TOs										
A2.12.5.1. Identification								-	B	-
A2.12.5.2 Determine Serviceability	*							-	B	-
A2.12.5.3. Test								-	-	-
A2.12.5.4. Remove/Install Fitting								-	-	-
A2.12.5.5. Reseal Fitting								-	-	-
A2.12.5.6. Remove and Install Tubing								-	-	-
A2.13. AIRCRAFT FAMILIARIZATION										
TR: Applicable aircraft TOs										
*A2.13.1. Principles of flight								B	B	-
*A2.13.2. Aircraft designation system								B	-	-
*A2.13.3. Major aircraft systems								B	-	-
*A2.13.4. Location of structural components								B	-	-
A2.14. ELECTRICAL/ELECTRONIC FUNDAMENTALS APPLICABLE TO AFSC 2A6X5										
TR: TO 31 series; applicable aircraft TOs										
*A2.14.1. DC fundamentals								A	B	-
*A2.14.2. AC fundamentals								A	B	-
*A2.14.3. Operational fundamentals of basic circuits								A	B	-
*A2.14.4. Use schematics and diagrams								1b	B	c
*A2.14.5. Troubleshoot circuits								1b	B	c
A2.14.6. Aircraft guarded switches								-	-	-
A2.15. HYDRAULIC FUNDAMENTALS										
TR: Aircraft TOs										
*A2.15.1. Principle of hydraulics								A	B	-
*A2.15.2. Principles of pneumatics								A	B	-
*A2.15.3. Use schematics and diagrams	*							1b	B	c
*A2.15.4. Logical Troubleshooting Method								A	-	c
A2.16. SHOP AND AEROSPACE GROUND EQUIPMENT										
TR: Applicable equipment TOs										
A2.16.1. Shop equipment										
A2.16.1.1. Hose cutoff machine										
*A2.16.1.1.1. Operate								2b	B	-

FUNDAMENTAL TRAINING REQUIREMENTS

STS 2A6X5 November 2002

1. Tasks, Knowledge And Technical References	2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/ Information Provided (See Attachment 1)		
	A	B	A	B	C	D	E	A 3 Level	B 5-Level	C 7 Level
	5	7	Tng Start	Tng Comp	Trainee Initials	Trainer Initials	Certifier Initials	Course	CDC	(1) Course (2) CDC
A2.16.1.1.2. Maintain								-	B	-
A2.16.1.2. Hose assembly machine										
*A2.16.1.2.1. Operate								2b	B	-
A2.16.1.2.2. Maintain								-	B	-
A2.16.1.3. Hydraulic test stand										
*A2.16.1.3.1. Operate								2b	B	-
A2.16.1.3.2. Maintain								-	B	-
*A2.16.1.3.3. Connect to components								2b	-	-
A2.16.1.3.4. Troubleshoot								-	-	c
A2.16.1.3.5. Repair								-	-	-
A2.16.1.4. Pneumatic test stand										
A2.16.1.4.1. Operate								-	-	-
A2.16.1.4.2. Maintain								-	-	-
A2.16.1.4.3. Connect to components								-	-	-
A2.16.1.4.4. Troubleshoot								-	-	-
A2.16.1.4.5. Repair								-	-	-
A2.16.2. Operate ground support equipment										
*A2.16.2.1. Portable hydraulic test stands								2b	B	-
A2.16.2.3. External power units								-	B	-
*A2.16.2.5. Nitrogen servicing carts								2b	B	-
A2.16.2.6. Air compressor units								-	B	-
*A2.16.2.7. Hydraulic servicing carts								2b	-	-
A2.16.2.8. Maintenance stands								-	B	-
A2.16.2.9. Air conditioner								-	-	-
A2.16.2.10. Hydromite								-	-	-
A2.16.2.11. Ground Heater								-	-	-
A2.16.2.12. Light Carts								-	-	-
A2.16.2.13. Bleed Air Cart								-	-	-

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1. Tasks, Knowledge And Technical References	2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/Information Provided (See Attachment 1)		
	A	B	A	B	C	D	E	A 3 Level	B 5-Level	C 7 Level
	5	7	Tng Start	Tng Comp	Trainee Initials	Trainer Initials	Certifier Initials	Course	CDC	(1) Course (2) CDC

ATTACHMENT 3 (Generic Training Requirements)

NOTE 1: The tasks and knowledge listed in attachment 2 apply to all personnel in the hydraulic systems specialty.

NOTE 2: The tasks and knowledge listed in attachment 3 will be used in conjunction with attachment 2 by personnel assigned to an MDS not covered by a separate attachment.

NOTE 3: Tasks and knowledge identified by an asterisk (*) in column 1 are trained in the in-resident AETC wartime courses.

NOTE 4: Users are responsible for annotating training references to identify current references pending STS revision.

NOTE 5: Items marked in columns 2a or 2b marked with a *R are optional core tasks for ANG and AFRC.

NOTE 6: Address comments and recommended changes through the MAJCOM Functional Managers to the AETC Training Manager, DSN 736-2772.

A3.1. COMMON MAINTENANCE PRACTICES										
TR: 00-25-172, applicable abbreviated equipment and aircraft TOs										
A3.1.1. Jack or level aircraft										
A3.1.1.1. Safety								-	B	-
A3.1.1.2. Manual								-	-	-
A3.1.1.3. Manifold								-	B	-
A3.1.1.4. Jack Team Member								-	B	-
*A3.1.2. Ground aircraft or equipment	*							A	-	-
A3.1.3. Tow Team Member								-	-	-
A3.1.4. Install and remove ground safety devices								-	-	-
A3.1.5. Refuel/defuel Team Member								-	-	-
A3.1.6. Open and close engine cowling								-	-	-
A3.1.7. Remove/install aircraft access panels								-	-	-
A3.1.8. Use interphone								-	-	-
A3.1.9. Marshall aircraft								-	-	-
*A3.1.10 Apply/disconnect external hydraulic power	*							1b	-	-
*A3.1.11. Apply/Disconnect external electrical power	*							1b	-	-
A3.2. HYDRAULIC POWER SYSTEMS										
TR: Aircraft TOs										
*A3.2.1. Operational fundamentals								B	B	-
*A3.2.2. Perform operational check	*							2b	B	-
*A3.2.3. Inspect system components	*							1b	-	-
*A3.2.4. Troubleshoot malfunctions	*							1b	B	3c
*A3.2.5. Drain hydraulic system								A	B	-
*A3.2.6. Flush hydraulic system								A	B	-
*A3.2.7. Service Accumulator								1b	B	-
*A3.2.8. Service Reservoir								1b	B	-
A3.2.9. Remove components										
*A3.2.9.1. Pumps								2b	-	-
A3.2.9.2. Motors								-	-	-
A3.2.9.3. Valves								-	-	-
A3.2.9.4. Filters								-	-	-

GENERIC TRAINING REQUIREMENTS

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1. Tasks, Knowledge And Technical References	2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/ Information Provided (See Attachment 1)		
	A	B	A	B	C	D	E	A 3 Level	B 5-Level	C 7 Level
	5	7	Tng Start	Tng Comp	Trainee Initials	Trainer Initials	Certifier Initials	Course	CDC	(1) Course (2) CDC
*A3.2.9.5. Reservoirs								2b	-	-
A3.2.9.6. Manifolds								-	-	-
A3.2.9.7. Accumulators								-	-	-
A3.2.9.8. Indicating Devices								-	-	-
A3.2.10. Install components										
*A3.2.10.1. Pumps								2b	-	-
A3.2.10.2. Motors								-	-	-
A3.2.10.3. Valves								-	-	-
A3.2.10.4. Filters								-	-	-
*A3.2.10.5. Reservoirs								2b	-	-
A3.2.10.6. Manifolds								-	-	-
A3.2.10.7. Accumulators								-	-	-
A3.2.10.8. Indicating Devices								-	-	-
A3.2.10.9. Bleed hydraulic system								-	B	-
A3.2.11 Repair./overhaul components										
A3.2.11.1. Pumps								-	-	-
A3.2.11.2. Motors								-	-	-
A3.2.11.3. Valves								-	-	-
A3.2.11.4. Filter Assemblies								-	-	-
A3.2.11.5. Reservoirs								-	-	-
A3.2.11.6. Manifolds								-	-	-
*A3.2.11.7. Accumulators								2b	B	-
A3.2.12 Bench check components										
A3.2.12.1. Pumps								-	B	-
A3.2.12.2. Motors								-	-	-
A3.2.12.3. Valves								-	-	-
A3.2.12.4. Filter Assemblies								-	-	-
A3.2.12.5. Reservoirs								-	B	-
A3.2.12.6. Manifolds								-	-	-
*A3.2.12.7. Accumulators								2b	-	-
A3.2.12.8. Indicating Devices								-	-	-
A3.2.13 Perform adjustments								-	B	-
A3.3 LANDING GEAR SYSTEMS										
TR: Applicable aircraft TOs										
*A3.3.1. Operational fundamentals								B	B	-
*A3.3.2. Perform operational check of normal system								1b	-	-
*A3.3.3. Perform operational check of emergency system								1b	-	-
*A3.3.4 Inspect System Components	*							2b	-	-
*A3.3.5. Troubleshoot malfunctions	*							1b	B	3c
*A3.3.6. Service Struts								1b	B	-

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1. Tasks, Knowledge And Technical References	2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/ Information Provided (See Attachment 1)		
	A	B	A	B	C	D	E	A 3 Level	B 5-Level	C 7 Level
	5	7	Tng Start	Tng Comp	Trainee Initials	Trainer Initials	Certifier Initials	Course	CDC	(1) Course (2) CDC
A3.3.7. Bleed landing gear system								-	B	-
A3.3.8. Perform adjustments								-	B	-
A3.3.9 Remove components										
A3.3.9.1. Actuators								-	-	-
A3.3.9.2. Motors								-	-	-
A3.3.9.3. Manifolds								-	-	-
A3.3.9.4. Valves								-	-	-
A3.3.9.5. Swivels								-	-	-
A3.3.10. Install components										
A3.3.10.1. Actuators								-	-	-
A3.3.10.2. Motors								-	-	-
A3.3.10.3. Manifolds								-	-	-
A3.3.10.4. Valves								-	-	-
A3.3.10.5. Swivels								-	-	-
A3.3.11. Repair/Overhaul components										
*A3.3.11.1. Actuators								2b	-	-
A3.3.11.2. Manifolds								-	-	-
A3.3.11.3. Valves								-	B	-
A3.3.11.4. Swivels								-	-	-
A3.3.11.5. Main Strut								-	-	-
A3.3.11.6. Nose Strut								-	-	-
A3.3.12. Bench check components										
*A3.3.12.1. Actuators								1b	-	-
A3.3.12.2. Manifolds								-	-	-
A3.3.12.3. Valves								-	B	-
A3.3.12.4. Swivels								-	-	-
A3.3.12.5. Main Strut								-	-	-
A3.3.12.6. Nose Strut								-	-	-
A3.4. NOSE WHEEL STEERING SYSTEMS										
TR: Applicable aircraft TOs										
*A3.4.1. Operational fundamentals								B	B	-
*A3.4.2. Perform operational check	*							1b	-	-
*A3.4.3. Inspect System Components	*							B	-	-
*A3.4.4. Troubleshoot malfunctions	*							1b	B	-
A3.4.5. Bleed system								-	-	-
A3.4.6. Perform adjustments								-	-	-
A3.4.6. Remove components										
A3.4.6.1. Actuators								-	-	-
A3.4.6.2. Manifolds								-	-	-
A3.4.6.3. Valves								-	-	-

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	2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/ Information Provided (See Attachment 1)		
			A	B	C	D	E	A 3 Level	B 5-Level	C 7 Level
	5	7	Tng Start	Tng Comp	Trainee Initials	Trainer Initials	Certifier Initials	Course	CDC	(1) Course
1. Tasks, Knowledge And Technical References								-	-	-
A3.4.6.4. Swivels								-	-	-
A3.4.7. Install components										
A3.4.7.1. Actuators								-	-	-
A3.4.7.2. Manifolds								-	-	-
A3.4.7.3. Valves								-	-	-
A3.4.7.4. Swivels								-	-	-
A3.4.8. Repair/Overhaul components										
A3.4.8.1. Actuators								-	-	-
A3.4.8.2. Manifolds								-	-	-
A3.4.8.3. Valves								-	-	-
A3.4.8.4. Swivels								-	-	-
A3.4.9. Bench check components										
A3.4.8.1. Actuators								-	-	-
A3.4.8.2. Manifolds								-	-	-
A3.4.8.3. Valves								-	-	-
A3.4.8.4. Swivels								-	-	-
A3.5. WHEEL BRAKE SYSTEM										
TR: Applicable aircraft TOs										
*A3.5.1. Operational fundamentals								B	B	-
A3.5.2. Perform operational check	*							-	-	-
A3.5.3. Inspect System Components		*						-	-	-
*A3.5.4. Troubleshoot malfunctions		*						1b	B	3c
A3.5.5. Bleed brake system								1b	B	-
A3.5.6. Perform adjustments								-	-	-
A3.5.7. Remove components										
A3.5.7.1. Swivels								-	-	-
A3.5.7.2. Manifolds								-	-	-
A3.5.7.3. Accumulators								-	-	-
A3.5.7.4. Valves								-	-	-
A3.5.8. Install components										
A3.5.5.1. Swivels								-	-	-
A3.5.5.2. Manifolds								-	-	-
A3.5.5.3. Accumulators								-	-	-
A3.5.5.4. Valves								-	-	-
A3.5.7. Repair/Overhaul components										
A3.5.7.1. Swivels								-	-	-
A3.5.7.2. Manifolds								-	-	-
A3.5.7.3. Accumulators								-	-	-
A3.5.7.4. Valves								-	-	-
*A3.5.7.5. Brake Assemblies								2b	B	-

GENERIC TRAINING REQUIREMENTS

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1. Tasks, Knowledge And Technical References	2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/ Information Provided (See Attachment 1)		
	A	B	A	B	C	D	E	A 3 Level	B 5-Level	C 7 Level
	5	7	Tng Start	Tng Comp	Trainee Initials	Trainer Initials	Certifier Initials	Course	CDC	(1) Course (2) CDC
A3.5.8. Bench check components										
A3.5.8.1. Swivels								-	-	-
A3.5.8.2. Manifolds								-	-	-
A3.5.8.3. Accumulators								-	-	-
A3.5.8.4. Valves								-	-	-
*A3.5.8.5. Brake Assemblies								1b	-	-
A3.6. FLIGHT CONTROL SYSTEMS										
TR: Applicable aircraft TOs										
*A3.6.1. Operational fundamentals								B	B	-
*A3.6.2. Perform operational check	*							1b	-	-
*A3.6.3. Inspect System Components		*						2b	-	-
*A3.6.4. Troubleshoot malfunctions		*						1b	B	3c
A3.6.5. Bleed flight control system								-	B	-
A3.6.6. Perform adjustments								-	-	-
A3.6.4. Remove components										
*A3.6.4.1. Actuators								2b	-	-
A3.6.4.2. Motors								-	-	-
*A3.6.4.3. Valves								2b	-	-
A3.6.4.4. Manifolds								-	-	-
A3.6.4.5. Swivels								-	-	-
A3.6.5. Install components										
*A3.6.5.1. Actuators								2b	-	-
A3.6.5.2. Motors								-	-	-
*A3.6.5.3. Valves								2b	-	-
A3.6.5.4. Manifolds								-	-	-
A3.6.5.5. Swivels								-	-	-
A3.6.6. Repair/Overhaul components										
A3.6.6.1. Actuators								-	-	-
A3.6.6.2. Valves								-	-	-
A3.6.6.3. Manifolds								-	-	-
A3.6.6.4. Swivels								-	-	-
A3.6.7. Bench check components										
A3.6.7.1. Actuators								-	-	-
A3.6.7.2. Motors								-	-	-
A3.6.7.3. Valves								-	-	-
A3.6.7.4. Manifolds								-	-	-
A3.6.7.5. Swivels								-	-	-
A3.7. WEAPONS/CARGO DOOR SYSTEMS										
TR: Applicable aircraft TOs										
*A3.7.1. Operational fundamentals								A	B	-

GENERIC TRAINING REQUIREMENTS

STS 2A6X5 November 2002

1. Tasks, Knowledge And Technical References	2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/ Information Provided (See Attachment 1)		
	A	B	A	B	C	D	E	A 3 Level	B 5-Level	C 7 Level
	5	7	Tng Start	Tng Comp	Trainee Initials	Trainer Initials	Certifier Initials	Course	CDC	(1) Course (2) CDC
*A3.7.2. Perform operational check	*							1b	-	-
A3.7.3. Inspect System Components	*							-	-	-
A3.7.7. Troubleshoot malfunctions	*							-	B	c
A3.7.8. Bleed system								-	-	-
A3.7.6. Perform adjustments								-	-	-
A3.7.7. Remove components										
A3.7.7.1. Actuators								-	-	-
A3.7.7.2. Motors								-	-	-
A3.7.7.3. Valves								-	-	-
A3.7.7.4. Manifolds								-	-	-
A3.7.7.5. Swivels								-	-	-
A3.7.7.6. Pumps								-	-	-
A3.7.8. Install components										
A3.7.8.1. Actuators								-	-	-
A3.7.8.2. Motors								-	-	-
A3.7.8.3. Valves								-	-	-
A3.7.8.4. Manifolds								-	-	-
A3.7.8.5. Swivels								-	-	-
A3.7.8.6. Pumps								-	-	-
A3.7.7. Repair/Overhaul components										
A3.7.7.1. Actuators								-	-	-
A3.7.7.2. Motors								-	-	-
A3.7.7.3. Valves								-	-	-
A3.7.7.4. Manifolds								-	-	-
A3.7.7.5. Swivels								-	-	-
A3.7.7.6. Pumps								-	-	-
A3.7.8. Bench check components										
A3.7.8.1. Actuators								-	-	-
A3.7.8.2. Motors								-	-	-
A3.7.8.3. Valves								-	-	-
A3.7.8.4. Manifolds								-	-	-
A3.7.8.5. Swivels								-	-	-
A3.7.8.6. Pumps								-	-	-
A3.8. AIR REFUELING RECEIVER SYSTEM TR: Applicable aircraft TOs										
*A3.8.1. Operational fundamentals								A	B	-
A3.8.2. Perform operational check								-	-	-
A3.8.3. Inspect System Components								-	-	-
A3.8.4. Troubleshoot malfunctions								-	-	-
A3.8.7. Bleed system								-	-	-

GENERIC TRAINING REQUIREMENTS

STS 2A6X5 November 2002

1. Tasks, Knowledge And Technical References	2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/ Information Provided (See Attachment 1)		
	A	B	A	B	C	D	E	A 3 Level	B 5-Level	C 7 Level
	5	7	Tng Start	Tng Comp	Trainee Initials	Trainer Initials	Certifier Initials	Course	CDC	(1) Course (2) CDC
A3.8.6. Rig/Adjust ARR system								-	-	-
A3.8.6. Remove components										
A3.8.6.1. Actuators								-	-	-
A3.8.6.2. Valves								-	-	-
A3.8.6.3. Manifolds								-	-	-
A3.8.7. Install components										
A3.8.7.1. Actuators								-	-	-
A3.8.7.2. Valves								-	-	-
A3.8.7.3. Manifolds								-	-	-
A3.8.8. Repair/Overhaul components										
A3.8.8.1. Actuators								-	-	-
A3.8.8.2. Valves								-	-	-
A3.8.9. Bench check components										
A3.8.9.1. Actuators								-	-	-
A3.8.9.2. Valves								-	-	-
A3.9. INFLIGHT REFUELING SYSTEMS TR: Applicable aircraft TOs										
*A3.9.1. Operational fundamentals								A	B	-
A3.9.2. Troubleshoot malfunctions								-	B	-

CDC 2AX7X TRAINING REQUIREMENTS

STS 2A6X5 November 2002

1. Tasks, Knowledge And Technical References	2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/ Information Provided (See Attachment 1)		
	A	B	A	B	C	D	E	A 3 Level	B 5-Level	C 7 Level
	5	7	Tng Start	Tng Comp	Trainee Initials	Trainer Initials	Certifier Initials	Course	CDC	(1) Course (2) CDC
ATTACHMENT 4 (2AX7X CDC):										
NOTE 1: Users are responsible for annotating training references to identify current references pending STS revision.										
NOTE 2: This attachment is to be used in conjunction with other attachments in applicable CFETPs.										
NOTE 3: Personnel must complete CDC requirements on all MDSs/attachments.										
NOTE 4: This attachment is to be used as a correlation document for the 2AX7X 7-level Aerospace Maintenance Craftsman CDC's.										
NOTE 5: All items are SUBJECT KNOWLEDGE LEVELS only and require no certification on this STS.										
A4.1. MANAGEMENT WITHIN THE MAINTENANCE COMPLEX TR: AFI 21-101, AFI 21-118 and specific MAJCOM guidance										
A4.1.1. Functions of the Maintenance Complex								-	-	-
A4.1.2. Operations / Logistics Group Commander Responsibilities TR: AFI 38-101, AFPD 38-1								-	-	-
A4.1.3. Accountability and Core Values								-	-	-
A4.1.4. Aircraft Maintenance Management Information								-	-	-
A4.1.5. Aircraft Monitoring								-	-	-
A4.1.6. Compliance and Standardization Requirements Listings								-	-	-
A4.1.7. Maintenance Quality Performance Measures 8(QPM) Relationships								-	-	-
A4.1.8. Health-of-the-Fleet Metrics TR: AFI 21-101								-	-	-
A4.1.9. Foreign Object Damage (FOD) Program Manager TR: AFI 21-101								-	-	-
A4.1.10. Joint Oil Analysis Program TR: T.O. 33-1-37-1								-	-	-
A4.1.11. Mobility								-	-	-
A4.1.12. Hazard Declarations for Mobility Packages TR: AFMAN 24-204								-	-	-
A4.1.13. Hazardous Material Handling Procedures TR: AFJMAN 24-204, AFI 91-301, AFI 24-202, AFMAN 23-110								-	-	-
A4.1.14. Production Supervisor, Flight Chief and Expediter Duties and Responsibilities								-	-	-
A4.1.15. Special Certification Rosters								-	-	-
A4.1.16. Maintenance Incident Investigation and Prevention TR: AFI 91-204								-	-	-
A4.1.17. Aircraft Impoundment TR: AFI 91-204								-	-	-
A4.1.18. Operational Risk Management (ORM) TR: AFPD 90-9, AFI 90-901, AFPAM 90-902,								-	-	-
A4.1.19. Restricted Maintenance Areas								-	-	-
A4.1.20. Force Protection TR: AFDD 2-4-1								-	-	-

CDC 2AX7X TRAINING REQUIREMENTS

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1. Tasks, Knowledge And Technical References	2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/ Information Provided (See Attachment 1)			
	A	B	A	B	C	D	E	A 3 Level	B 5-Level	C 7 Level	
	5	7	Tng Start	Tng Comp	Trainee Initials	Trainer Initials	Certifier Initials	Course	CDC	(1) Course (2) CDC	
A4.1.21. Classification Info, Access to Classified, COMSEC, OPSEC, COMPUSEC TR: AFI 33-211, AFI 10-1101, AFI 33-202								-	-	-	B
A4.1.22. Proper Handling of Classified Assets TR: AFI 31-101								-	-	-	A
A4.1.23. Aircraft Inspection Concepts TR: TO 00-20-5								-	-	-	B
A4.2. ENLISTED SPECIALTY TRAINING TR: AFI 36-2201 and MAJCOM directives											
A4.2.1. Training Management and Records								-	-	-	B
A4.2.2. Automated Training Records								-	-	-	B
A4.2.3. Career Field Education and Training Plan (CFETP)								-	-	-	B
A4.2.4. Specialty Training Standard (STS)								-	-	-	B
A4.2.5. Occupational Survey Report (OSR)								-	-	-	B
A4.2.6. Utilization and Training Workshop (U&TW)								-	-	-	B
A4.2.7. Training Forecast / Request								-	-	-	A
A4.2.8. Training Waiver Process								-	-	-	B
A4.2.9. Field Evaluation Questionnaire (FEQ) and Graduate Assessment Survey								-	-	-	A
A4.3. ACCOUNTABILITY FOR RECORDS, REPORTS, AND FORMS TR: AFI 21-109, TO 00-35D-54, TO 00-20 Series and MAJCOM guidance											
A4.3.1. Historical Records								-	-	-	B
A4.3.2. Minimum Essential Configuration Management (MESL)								-	-	-	B
A4.3.3. Automated Maintenance Systems								-	-	-	A
A4.3.4. Reliability Availability, Maintainability, Logistics Engineering Support System for Electronic Attack Pods and Integrated Systems (RAMPOD), Core Automated Maintenance System for Airlift (GO 81)								-	-	-	A
A4.3.5. Core Automated Maintenance System (CAMS) TR: AFM 66-279 Vol. I-XXVII, T.O. 00-20-2								-	-	-	B
A4.3.6. Job Data Documentation (JDD)								-	-	-	B
A4.3.7. Air Force Technical Order (AFTO) Forms 781 and 244 / 245								-	-	-	B
A4.3.8. Configuration Management								-	-	-	B
A4.3.9. Aircraft / Equipment Modifications								-	-	-	B
A4.3.10. Nuclear Surety TR: AFI 91-101								-	-	-	B
A4.3.11. Dull Sword Reporting TR: AFI 91-204								-	-	-	B

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1. Tasks, Knowledge And Technical References	2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/ Information Provided (See Attachment 1)		
	A	B	A	B	C	D	E	A 3 Level	B 5-Level	C 7 Level
	5	7	Tng Start	Tng Comp	Trainee Initials	Trainer Initials	Certifier Initials	Course	CDC	(1) Course (2) CDC
A4.4. SUPPLY MANAGEMENT TR: DOD 7200-10, AFM 67-1, AFMAN 23-220, 23-110 and applicable MAJCOM guidance										
A4.4.1. Maintenance Supply Concept TR: AFMAN 23-110								-	-	-
A4.4.2. Supply Documents Management								-	-	-
A4.4.3. Precious Metal Program TR: AFMAN 23-110								-	-	-
A4.4.4. Bench Stock								-	-	-
A4.4.5. Air Force Technical Order (AFTO) 375								-	-	-
A4.4.6. Quick Reference List (QRL)								-	-	-
A4.4.7. Standard Base Supply System (SBSS) TR: AFMAN 23-110								-	-	-
A4.4.8. Integrated Logistic System-Supply (ILS-S) and Global Combat Support System (GCSS) TR: AFMAN 23-110								-	-	-
A4.4.9. Priority Systems								-	-	-
A4.4.10. Repair Cycle Assets								-	-	-
A4.4.11. Report of Survey, Statement of Charges								-	-	-
A4.4.12. Equipment Account Management								-	-	-
A4.4.13. Custodian Authorization/Custody Receipt Listing								-	-	-
A4.4.14. Precision Measurement Equipment Laboratory (PMEL)								-	-	-
A4.4.15. Computer System Management TR: AFI 33-112								-	-	-
A4.4.16. Special Purpose Recoverable Authorized Maintenance TR: AFMAN 23-110								-	-	-
A4.4.17. Air Force Management System (AFEMS)								-	-	-
A4.4.18. Status of Resources and Training (SORTS)								-	-	-
A4.4.19. Land Mobile Radios, Pagers, Cell Phones TR: AFI 33-106								-	-	-
A4.4.20. Shelf Life Program TR: AFMAN 23-110								-	-	-
A4.4.21. Hazardous Materials (HAZMAT) TR: Applicable AFOSH STD's, AFI's and MAJCOM guidance								-	-	-
A4.4.22. Qualified Products Listing								-	-	-
A4.5. LOGISTICS AND RESOURCE MANAGEMENT AFPD 21-1										
A4.5.1. Logistics Management								-	-	-
A4.5.2. Agile Logistics								-	-	-
A4.5.3. Two-Level Maintenance (2LM)								-	-	-

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STS 2A6X5 November 2002

1. Tasks, Knowledge And Technical References	2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/ Information Provided (See Attachment 1)			
	A	B	A	B	C	D	E	A 3 Level	B 5-Level	C 7 Level	
	5	7	Tng Start	Tng Comp	Trainee Initials	Trainer Initials	Certifier Initials	Course	CDC	(1) Course (2) CDC	
A4.5.4. Execution and Prioritization of Repair System (EXPRESS)								-	-	-	A
A4.5.5. Readiness Based Leveling (RBL) TR: AFMAN 23-110								-	-	-	A
A4.5.6. Resource Management								-	-	-	B
A4.5.7. Air Force Government-Wide Purchase Card Program and Air Force Form 9 TR: AFI 67-117								-	-	-	A
A4.5.8. Air Force Enhancement Program (AFREP) TR: AFI 21-123								-	-	-	A
A4.5.9. Financial Plan (FIN Plan)								-	-	-	A
A4.5.10. Appropriation (APPN) 3400 and 3080 Budgeting								-	-	-	A
A4.5.11. Budget Line 3010								-	-	-	A
A4.5.12. Air Force Material Command (AFMC) Responsibilities								-	-	-	A
A4.5.13. Developmental Test and Evaluation (DT&E) Operational Test and Evaluation (OT&E)								-	-	-	A
A4.5.14. Defense Logistics Agency								-	-	-	A
A4.5.15. Special Experience Identifier (SEI) TR: AFMAN 36-2108								-	-	-	B
A4.5.16. Unit Manpower Document (UMD) and Unit Management Personnel Roster (UMPR)								-	-	-	A
A4.5.17. Manning Standards, and Logistics Composite Model (LCOM) TR: AFI 38-201, AFMAN 38-208								-	-	-	A
A4.5.18. Technical Order Management								-	-	-	B
A4.5.19. Technical Order Distribution Office (TODO), Technical Order Distribution Account (TODA), Technical Order Distribution Control Activity (TODCA), Technical Order Review Board (TORB) TR: TO 00-5-1, TO 00-5-2								-	-	-	A
A4.5.20. Air Force Technical Order Forms 22, 27, 110, 158								-	-	-	A
A4.5.21. Automated Technical Order Management System TR: TO 00-5-2								-	-	-	A
A4.5.22. Time Compliance Technical Orders (TCTO) TR: TO 00-5-15								-	-	-	A
A4.5.23. Centralized Technical Order Management Organization TR: TO 00-5-1								-	-	-	A
A4.5.24. Joint Computer –aided Acquisition and Logistic (JCALS)								-	-	-	A
A4.5.25. Electronic Technical Orders								-	-	-	A
A4.5.26. Deficiency Reporting (Hardware and Software)Product Quality Deficiency Reporting System (PQDR) TR: TO 00-35D-54								-	-	-	B
A4.5.27. Reporting of Deficiency (ROD)								-	-	-	B

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1. Tasks, Knowledge And Technical References	2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/ Information Provided (See Attachment 1)			
	A	B	A	B	C	D	E	A 3 Level	B 5-Level	C 7 Level	
	5	7	Tng Start	Tng Comp	Trainee Initials	Trainer Initials	Certifier Initials	Course	CDC	(1) Course (2) CDC	
A4.5.28. Bad Actor Program TR: TO 00-20-1, TO 00-35D-54								-	-	-	A
A4.5.29. Technical Improvement Product Working Group (TIPWG), Training Plan (STP), Program Management Review (PMR)								-	-	-	A
A4.5.30. Corrosion Prevention Advisory Board (CPAB) TR: AFI 21-105								-	-	-	A
A4.6. COMPUTER APPLICATION											
A4.6.1. Using Applications								-	-	-	B
A4.6.2. Form Flow								-	-	-	B
A4.6.3. Air Force Electronic Publishing Library (AFEPL)								-	-	-	B
A4.6.4. World Wide Web (www), Internet								-	-	-	B
A4.6.5. Local Area Networks (LAN)								-	-	-	B

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1. Tasks, Knowledge And Technical References	2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/Information Provided (See Attachment 1)		
	A	B	A	B	C	D	E	A 3 Level	B 5-Level	C 7 Level
	5	7	Tng Start	Tng Comp	Trainee Initials	Trainer Initials	Certifier Initials	Course	CDC	(1) Course (2) CDC

ATTACHMENT 5 (B-1 TRAINING REQUIREMENTS)

NOTE 1: The core tasks listed in Attachment 5 are in addition to those in Attachment 2.

NOTE 2: Tasks and knowledge listed in Attachment 5 will be used in conjunction with Attachment 2 by B-1 personnel for upgrade requirements.

NOTE 3: Users are responsible for annotating training references to identify current references pending STS revision.

NOTE 4: Address comments and recommended changes through ACC Functional Manager (DSN 574-1733) to the AETC Training Manager (DSN 736-2772).

A5.1. GROUND HANDLING TR: 1B-1B-2-05, Applicable aircraft TOs										
								-	-	-
A5.1.1. Stairladder extension and retraction TR: 1B-1B—2-05JG-10-1								-	-	-
A5.1.2. Apply/Disconnect external electrical power	*							-	-	-
A5.1.3. Aircraft safe for maintenance	*							-	-	-
A5.1.4. Aircraft safe for simulated airborne								-	-	-
A5.1.5. Main Landing Gear Door Open and Close								-	-	-
A5.1.6. Weapons bay door open and close								-	-	-
A5.1.7. Aircraft fuselage jack observer								-	-	-
A5.1.8. APU ground observer								-	-	-
A5.1.9. APU operation								-	-	-
A5.1.10. Safing devices								-	-	-
A5.2. HYDRAULIC POWER SYSTEMS TR: 1B-1B-2-29, Applicable aircraft TOs										
A5.2.1. Operational fundamentals								-	-	-
A5.2.2. Perform operational check								-	-	-
A5.2.3. Engine driven pumps	*							-	-	-
A5.2.4. Flush system								-	-	-
A5.2.5. Service components										
A5.2.5.1. Hydraulic fluid sampling								-	-	-
A5.2.5.2. Reservoir	*							-	-	-
A5.2.5.3. Auxiliary power unit								-	-	-
A5.2.5.4. Integrated drive gearbox (IDG)								-	-	-
A5.2.5.5. Accessory drive gearbox								-	-	-
A5.2.5.6. Gaseous nitrogen bottle								-	-	-
A5.2.6. Depressurize system										
A5.2.6.1. Main system	*							-	-	-
A5.2.7. Drain system										
A5.2.7.1. Hydraulic reservoir								-	-	-
A5.2.8. Remove/Install components										
A5.2.8.1. Filter elements	*							-	-	-
A5.2.8.2. Engine driven pumps	*							-	-	-
A5.2.8.3. Filter housing								-	-	-

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	2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/Information Provided (See Attachment 1)		
	A	B	A	B	C	D	E	A 3 Level	B 5-Level	C 7 Level
	5	7	Tng Start	Tng Comp	Trainee Initials	Trainer Initials	Certifier Initials	Course	CDC	(1) Course (2) CDC
1. Tasks, Knowledge And Technical References								-	-	-
A5.2.8.4. Relief valve								-	-	-
A5.2.8.5. Return filter housing								-	-	-
A5.2.8.6. Reservoir #1 and #4								-	-	-
A5.2.8.7. Hydraulic reservoir relief valve								-	-	-
A5.2.8.8. Gaseous nitrogen relief manifold and filter								-	-	-
A5.2.8.9. Gaseous nitrogen reservoir relief valve								-	-	-
A5.2.8.10. Gaseous nitrogen pressure reduction valve								-	-	-
A5.2.8.11. Gaseous nitrogen reservoir								-	-	-
A5.2.8.12. Pressure coupling								-	-	-
A5.2.8.13. Return coupling								-	-	-
A5.2.8.14. Reservoir dump, vent, and sample valve								-	-	-
A5.2.8.15. Thermal bypass valve								-	-	-
A5.2.8.16. Pressure transducers	*							-	-	-
A5.2.8.17. Fluid quantity sensors								-	-	-
A5.2.8.18. Reservoir #2 and #3								-	-	-
A5.2.8.19. Rosan fittings								-	-	-
A5.2.8.20. Return filter element								-	-	-
A5.2.9. Repair/Overhaul components										
A5.2.9.1. Gaseous nitrogen relief manifold/filter								-	-	-
A5.2.9.2. Gaseous nitrogen pressure reduction valve								-	-	-
A5.2.9.3. Reservoir relief valve										
A5.2.9.3.1. Self displacing accumulator								-	-	-
A5.2.9.3.2. Position accumulator								-	-	-
A5.2.10. Bench check components										
A5.2.10.1. Gaseous nitrogen relief manifold/filter								-	-	-
A5.2.10.2. Gaseous nitrogen pressure reduction valve								-	-	-
A5.2.10.3. Reservoir relief valve								-	-	-
A5.2.10.4. Self displacing accumulator								-	-	-
A5.2.10.5. Position accumulator								-	-	-
A5.3. LANDING GEAR SYSTEMS										
TR: 1B-1B-2-32, Applicable aircraft TOs										
A5.3.1. Operational fundamentals								-	-	-
A5.3.2. Perform operational check										
A5.3.2.1. Normal extension and retraction (Position A)	*							-	-	-
A5.3.2.2. Normal extension and retraction (Position B)	*							-	-	-
A5.3.2.3. Emergency extension								-	-	-
A5.3.2.4. MLG door forces								-	-	-
A5.3.3. Remove/install components										
A5.3.3.1. MLG strut uplock cylinder								-	-	-
A5.3.3.2. MLG strut cylinder								-	-	-

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STS 2A6X5 November 2002

1. Tasks, Knowledge And Technical References	2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/ Information Provided (See Attachment 1)		
	A	B	A	B	C	D	E	A 3 Level	B 5-Level	C 7 Level
	5	7	Tng Start	Tng Comp	Trainee Initials	Trainer Initials	Certifier Initials	Course	CDC	(1) Course (2) CDC
A5.3.3.3. MLG downlock cylinder								-	-	-
A5.3.3.4. MLG door cylinder								-	-	-
A5.3.3.5. MLG door lock cylinder								-	-	-
A5.3.3.6. MLG door selector and emergency dump valve								-	-	-
A5.3.3.7. MLG strut selector and emergency dump valve								-	-	-
A5.3.3.8. MLG door anti-blow back valve								-	-	-
A5.3.3.9. MLG emergency extend cylinder								-	-	-
A5.3.3.10. MLG emergency extend accumulator								-	-	-
A5.3.3.11. NLG strut cylinder								-	-	-
A5.3.3.12. NLG strut uplock cylinder								-	-	-
A5.3.3.13. NLG strut downlock cylinder								-	-	-
A5.3.3.14. NLG door cylinder								-	-	-
A5.3.3.15. NLG door lock cylinder								-	-	-
A5.3.3.16. NLG door selector and emergency dump valve								-	-	-
A5.3.3.17. NLG strut selector and emergency dump valve								-	-	-
A5.3.3.18. NLG emergency extend accumulator								-	-	-
A5.3.3.19. NLG slave door cylinder								-	-	-
A5.3.3.20. NLG priority valve								-	-	-
A5.3.3.21. MLG/NLG accumulator dump and relief valve								-	-	-
A5.3.3.22. Swivels								-	-	-
A5.3.3.23. Emergency pressure selector valve								-	-	-
A5.3.3.24. MLG strut cylinder								-	-	-
A5.3.3.25. Bleed system								-	-	-
A5.3.4. Repair/Overhaul components										
A5.3.4.1. MLG emergency extend accumulator								-	-	-
A5.3.4.2. NLG emergency extend accumulator								-	-	-
A5.3.4.3. MLG door lock cylinder								-	-	-
A5.3.4.4. MLG door cylinder								-	-	-
A5.3.4.5. MLG positioner								-	-	-
A5.3.4.6. MLG strut cylinder								-	-	-
A5.3.4.7. MLG emergency extend cylinder								-	-	-
A5.3.4.8. MLG strut uplock cylinder								-	-	-
A5.3.4.9. MLG downlock cylinder								-	-	-
A5.3.4.10. NLG strut cylinder								-	-	-
A5.3.4.11. NLG strut downlock cylinder								-	-	-
A5.3.4.12. NLG strut uplock assembly								-	-	-
A5.3.4.13. NLG door lock cylinder								-	-	-
A5.3.4.14. NLG door cylinder								-	-	-
A5.3.4.15. Swivels								-	-	-
A5.3.5. Bench check components										

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	2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/ Information Provided (See Attachment 1)			
			A	B	C	D	E	A 3 Level	B 5-Level	C 7 Level	
	5	7	Tng Start	Tng Comp	Trainee Initials	Trainer Initials	Certifier Initials	Course	CDC	(1) Course	(2) CDC
1. Tasks, Knowledge And Technical References								-	-	-	-
A5.3.5.1. MLG emergency extend accumulator								-	-	-	-
A5.3.5.2. NLG emergency extend accumulator								-	-	-	-
A5.3.5.3. MLG door lock cylinder								-	-	-	-
A5.3.5.4. MLG door cylinder								-	-	-	-
A5.3.5.5. MLG strut cylinder								-	-	-	-
A5.3.5.6. MLG emergency extend cylinder								-	-	-	-
A5.3.5.7. MLG strut uplock cylinder								-	-	-	-
A5.3.5.8. MLG downlock cylinder								-	-	-	-
A5.3.5.9. NLG strut cylinder								-	-	-	-
A5.3.5.10. NLG strut downlock cylinder								-	-	-	-
A5.3.5.11. NLG strut uplock assembly								-	-	-	-
A5.3.5.12. NLG emergency door cylinder								-	-	-	-
A5.3.5.13. NLG door lock cylinder								-	-	-	-
A5.3.5.14. NLG door cylinder								-	-	-	-
A5.3.5.15. Swivels								-	-	-	-
A5.4. NOSE WHEEL STEERING SYSTEMS											
TR: 1B-1B-2-32JG-50-1, Applicable aircraft TOs											
A5.4.1. Operational fundamentals								-	-	-	-
A5.4.2. Perform operational check											
A5.4.2.1. Nose wheel steering	*							-	-	-	-
A5.4.3. Remove/Install components								-	-	-	-
A5.4.3.1. Power drive unit								-	-	-	-
A5.4.3.2. Follow up transducer								-	-	-	-
A5.4.3.3. Fluid manifold								-	-	-	-
A5.4.3.4. Motor								-	-	-	-
A5.4.3.5. Steering swivel assembly								-	-	-	-
A5.4.3.6. E/H valve								-	-	-	-
A5.4.3.7. Pressure switch								-	-	-	-
A5.4.3.8. Filter								-	-	-	-
A5.4.4. Adjust/Align components											
A5.4.4.1. Power drive unit								-	-	-	-
A5.4.5. Repair/Overhaul components								-	-	-	-
A5.4.5.1. Steering swivel assembly								-	-	-	-
A5.4.6. Bench check components								-	-	-	-
A5.4.6.1. Steering swivel assembly								-	-	-	-
A5.5. WHEEL BRAKE SYSTEMS											
TR: 1B-!b-2-32JG-40, Applicable TOs											
A5.5.1. Operational fundamentals								-	-	-	-
A5.5.2. Perform operational check	*							-	-	-	-
A5.5.3. Remove/Install components											

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	2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/ Information Provided (See Attachment 1)		
	A	B	A	B	C	D	E	A 3 Level	B 5-Level	C 7 Level
	5	7	Tng Start	Tng Comp	Trainee Initials	Trainer Initials	Certifier Initials	Course	CDC	(1) Course (2) CDC
1. Tasks, Knowledge And Technical References								-	-	-
A5.5.3.1. Brake pressure metering valve								-	-	-
A5.5.3.2. Wheel spin down valve								-	-	-
A5.5.3.3. Brake return filter element								-	-	-
A5.5.3.4. Anti-skid control manifold								-	-	-
A5.5.3.5. Brake pressure manifold								-	-	-
A5.5.3.6. Emergency brake selector valve								-	-	-
A5.5.3.7. Parking brake selector valve								-	-	-
A5.5.3.8. Parking brake locking solenoid								-	-	-
A5.5.3.9. Brake swivels								-	-	-
A5.5.3.10. Bleed system	*							-	-	-
A5.5.4. Repair/Overhaul components										
A5.5.4.1. Brakes								-	-	-
A5.5.4.2. Dual passage swivel assembly								-	-	-
A5.5.4.3. Brake swivels								-	-	-
A5.5.5. Bench check components										
A5.5.5.1. Brakes								-	-	-
A5.5.5.2. Brake swivels								-	-	-
A5.6. FLIGHT CONTROL SYSTEMS										
TR: 1B-1B-2-27, Applicable aircraft TOs										
A5.6.1. Operational fundamentals										
A5.6.2. Perform operational check										
A5.6.2.1. Wing sweep gear subassembly	*							-	-	-
A5.6.3. Remove/Install components										
A5.6.3.1. Roll master servo cylinder								-	-	-
A5.6.3.2. Spoiler panel servo cylinder								-	-	-
A5.6.3.3. Spoiler ganged blocking valve								-	-	-
A5.6.3.4. Fwd rudder power drive unit								-	-	-
A5.6.3.5. Aft rudder power drive unit								-	-	-
A5.6.3.6. Pitch master servo cylinder								-	-	-
A5.6.3.7. Upper stabilizer actuator	*							-	-	-
A5.6.3.8. Lower stabilizer actuator	*							-	-	-
A5.6.3.9. Roll scas servo cylinder								-	-	-
A5.6.3.10. Yaw scas servo cylinder								-	-	-
A5.6.3.11. Pitch scas servo cylinder								-	-	-
A5.6.3.12. Lower rudder servo cylinder								-	-	-
A5.6.3.13. Over wing fairing ratchet actuator								-	-	-
A5.6.3.14. Over wing fairing shutoff module								-	-	-
A5.6.3.15. Over wing fairing actuator assembly								-	-	-
A5.6.3.16. Wing sweep gear subassembly								-	-	-
A5.6.3.17. Alternate wing sweep actuator								-	-	-

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1. Tasks, Knowledge And Technical References	2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/ Information Provided (See Attachment 1)		
	A	B	A	B	C	D	E	A 3 Level	B 5-Level	C 7 Level
	5	7	Tng Start	Tng Comp	Trainee Initials	Trainer Initials	Certifier Initials	Course	CDC	(1) Course (2) CDC
A5.6.3.18. Flap/Slat pressure filter manifold								-	-	-
A5.6.3.19. Flap/Slat power drive unit (PDU)								-	-	-
A5.6.3.20. Flap asymmetry brake sensor								-	-	-
A5.6.3.21. Slat asymmetry brake sensor								-	-	-
A5.6.3.22. Flap/Slat pressure filter element								-	-	-
A5.6.3.23. Safing devices								-	-	-
A5.6.4. Adjust/Align components										
A5.6.4.1. Spoiler panel servo cylinder								-	-	-
A5.6.4.2. Fwd rudder power drive unit								-	-	-
A5.6.4.3. Aft rudder power drive unit								-	-	-
A5.6.4.4. Upper stabilizer actuator								-	-	-
A5.6.4.5. Lower stabilizer actuator								-	-	-
A5.6.4.6. Roll scas servo cylinder								-	-	-
A5.6.4.7. Yaw scas servo cylinder								-	-	-
A5.6.4.8. Pitch scas servo cylinder								-	-	-
A5.6.4.9. Lower rudder servo cylinder								-	-	-
A5.6.4.10. Over wing fairing ratchet actuator								-	-	-
A5.6.4.11. Wing sweep gear subassembly	*							-	-	-
A5.6.5. Repair/Overhaul components										
A5.6.5.1. GSA bevel gear housing								-	-	-
A5.6.5.2. Over wing fairing ratchet actuator								-	-	-
A5.6.6. Bench check components								-	-	-
A5.6.6.1. Over wing fairing ratchet actuator								-	-	-
A5.7. AUTO FLIGHT CONTROL SYSTEMS TR: 1B-1B-2-22, Applicable aircraft TOs										
A5.7.1. Operational fundamentals								-	-	-
A5.7.2. Remove/Install components										
A5.7.2.1. SMCS shutoff valve								-	-	-
A5.7.2.2. LT and RT fwd SMCS servo cylinder								-	-	-
A5.7.2.3. LT and RT aft SMCS servo cylinder								-	-	-
A5.7.3. Adjust/Align components										
A5.7.3.1. LT and RT fwd SMCS servo cylinder								-	-	-
A5.7.3.2. LT and RT aft SMCS servo cylinder								-	-	-
A5.8. EMERGENCY GENERATOR SYSTEMS TR: 1B-1B-2-24, Applicable aircraft TOs										
A5.8.1. Operational fundamentals								-	-	-
A5.8.2. Perform operational check										
A5.8.2.1. Emergency AC generator system								-	-	-
A5.8.3. Remove/Install components										
A5.8.3.1. Emergency AC generator								-	-	-

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	2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/Information Provided (See Attachment 1)		
			A	B	C	D	E	A 3 Level	B 5-Level	C 7 Level
	5	7	Tng Start	Tng Comp	Trainee Initials	Trainer Initials	Certifier Initials	Course	CDC	(1) Course
1. Tasks, Knowledge And Technical References								-	-	-
A5.8.3.2. Emergency AC generator check valve								-	-	-
A5.9. WEAPONS DOOR SYSTEMS										
TR: 1B-1B-2-94, Applicable aircraft TOs										
A5.9.1. Operational fundamentals								-	-	-
A5.9.2. Remove/Install components										
A5.9.2.1. Weapons bay spoiler cylinder										
A5.9.2.2. Weapons bay spoiler cylinder control valve	*							-	-	-
A5.9.2.3. Weapons bay door power drive unit	*							-	-	-
A5.9.2.4. Aft weapons bay spoiler 1 / 2 position module								-	-	-
A5.9.2.5. Rotary launcher drive								-	-	-
A5.9.2.6. Rotary launcher control valve								-	-	-
A5.9.2.7. Rotary launcher control valve motor								-	-	-
A5.9.3. Repair/Overhaul components										
A5.9.3.1. Weapons bay spoiler cylinder								-	-	-
A5.9.4. Bench check components								-	-	-
A5.9.4.1. Weapons bay spoiler cylinder								-	-	-
A5.10. AUXILIARY POWER UNIT SYSTMS										
TR: 1B-!b-2-49, Applicable aircraft TOs										
A5.10.1. Operational fundamentals								-	-	-
A5.10.2. Service components								-	-	-
A5.10.2.1. Start accumulator								-	-	-
A5.10.3. Remove/Install components										
A5.10.3.1. Start accumulator								-	-	-
A5.10.3.2. Start motor								-	-	-
A5.10.3.3. Start module								-	-	-
A5.10.3.4. Start module check valve								-	-	-
A5.10.3.5. Start module pressure switch								-	-	-
A5.10.3.6. Electric build-up motor								-	-	-
A5.10.4. Repair/Overhaul components										
A5.10.4.1. Start accumulator								-	-	-
A5.10.5. Bench check components										
A5.10.5.1. Start accumulator								-	-	-
A5.11. FUEL COOLING SCOOP SYSTEMS										
TR: 1B-1B-2-21, Applicable aircraft TOs										
A5.11.1. Operational fundamentals								-	-	-
A5.11.2. Perform operational check								-	-	-
A5.11.3. Remove/Install components										
A5.11.3.1. Selector valve								-	-	-
A5.11.3.2. Blocking valve								-	-	-
A5.11.3.3. Actuator								-	-	-

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1. Tasks, Knowledge And Technical References	2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/ Information Provided (See Attachment 1)		
	A	B	A	B	C	D	E	A 3 Level	B 5-Level	C 7 Level
	5	7	Tng Start	Tng Comp	Trainee Initials	Trainer Initials	Certifier Initials	Course	CDC	(1) Course (2) CDC
A5.12. AERIAL REFUELING SYSTEMS TR: 1B-1B-2-28, Applicable aircraft TOs										
A5.12.1. Operational fundamentals								-	-	-
A5.12.2. Perform operational check								-	-	-
A5.12.3. Remove/Install components										
A5.12.3.1. UARRSI accumulator								-	-	-
A5.12.3.2. UARRSI dump and relief valve								-	-	-
A5.12.3.3. UARRSI pressure reducing valve								-	-	-
A5.12.3.4. Universal A/R receptacle								-	-	-
A5.12.3.5. A/R line coupling								-	-	-
A5.12.3.6. A/R line pressure switch								-	-	-
A5.12.3.7. EMP device								-	-	-
A5.12.3.8. A/R signal amplifier								-	-	-
A5.12.3.9. Reverse A/R refuel valve								-	-	-
A5.12.3.10. Teflon and rubber seals								-	-	-
A5.12.3.11. Receptacle sleeve								-	-	-
A5.12.3.12. Induction coil								-	-	-
A5.12.4. Repair/Overhaul components										
A5.12.4.1. UARRSI accumulator								-	-	-
A5.12.5. Bench check components								-	-	-
A5.12.5.1. UARRSI accumulator								-	-	-

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1. Tasks, Knowledge And Technical References	2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/Information Provided (See Attachment 1)		
	A	B	A	B	C	D	E	A 3 Level	B 5-Level	C 7 Level
	5	7	Tng Start	Tng Comp	Trainee Initials	Trainer Initials	Certifier Initials	Course	CDC	(1) Course (2) CDC

ATTACHMENT 6 (B-2 TRAINING REQUIREMENTS)

NOTE 1: The core tasks listed in Attachment 6 are in addition to those in Attachment 2.

NOTE 2: Tasks and knowledge listed in Attachment 6 will be used in conjunction with Attachment 2 by B-2 personnel for upgrade requirements.

NOTE 3: Users are responsible for annotating training references to identify current references pending STS revision.

NOTE 4: Address comments and recommended changes through ACC Functional Manager (DSN 574-1733) to the AETC Training Manager (DSN 736-2772)..

A6.1.	AIRCRAFT FAMILIARIZATION TR: 1B-2A-2-00GV-00-1, 1B-2A-2-01JG Series, 1B-2A-2-05GS-00-1									
A6.1.1.	Engine Air Intake and Exhaust							-	-	-
A6.1.2.	High Intensity Sound							-	-	-
A6.1.3.	Turbine Plane of Rotation							-	-	-
A6.1.4.	Antenna Radiation							-	-	-
A6.1.5.	Ground Handling of Aircraft							-	-	-
A6.1.6.	Hot Brakes							-	-	-
A6.1.7.	Hardness Critical Procedures							-	-	-
A6.1.8.	Observable Critical Procedures							-	-	-
A6.1.9.	Operate Crew Entry Door							-	-	-
A6.1.10.	Operate Aft Equipment Bay Door							-	-	-
A6.1.11.	Operate Weapons Bay Doors							-	-	-
A6.1.12.	Operate Aft Nose Landing Gear Door							-	-	-
A6.1.13.	Operate Engine Auxiliary Inlet Doors							-	-	-
A6.1.14.	Operate Auxiliary Power Unit Doors							-	-	-
A6.1.15.	Open/Close Engine AMAD Bay Doors							-	-	-
A6.1.16.	Open/Close Hyd/ECS Bay Doors							-	-	-
A6.2.	HYDRAULIC POWER SYSTEMS TR: 1B-2A-2-29GS-00-1, 1B-2A-2-29JG Series									
A6.2.1.	Operational Fundamentals							-	-	-
A6.2.2.	Inspect System	*						-	-	-
A6.2.3.	Perform Operational Check	*						-	-	-
A6.2.4.	Drain Hydraulic System							-	-	-
A6.2.5.	Flush Hydraulic System							-	-	-
A6.2.6.	Service Accumulators	*						-	-	-
A6.2.7.	Service Reservoirs	*						-	-	-
A6.2.8.	Remove Components									
A6.2.8.1.	Pumps	*						-	-	-
A6.2.8.2.	Pump Manifolds	*						-	-	-
A6.2.8.3.	Reservoirs							-	-	-
A6.2.8.4.	Valves							-	-	-
A6.2.8.5.	Filters							-	-	-
A6.2.8.6.	Modules							-	-	-

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	2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/ Information Provided (See Attachment 1)		
	A	B	A	B	C	D	E	A 3 Level	B 5-Level	C 7 Level
	5	7	Tng Start	Tng Comp	Trainee Initials	Trainer Initials	Certifier Initials	Course	CDC	(1) Course (2) CDC
1. Tasks, Knowledge And Technical References										
A6.2.8.7. Accumulators								-	-	-
A6.2.8.8. Indicating Devices								-	-	-
A6.2.8.9. Service Panels								-	-	-
A6.2.8.10. Ground Servicing Quick Disconnects								-	-	-
A6.2.9. Install Components										
A6.2.9.1. Pumps	*							-	-	-
A6.2.9.2. Pump Manifolds	*							-	-	-
A6.2.9.3. Reservoirs								-	-	-
A6.2.9.4. Valves								-	-	-
A6.2.9.5. Filters								-	-	-
A6.2.9.6. Modules								-	-	-
A6.2.9.7. Accumulators								-	-	-
A6.2.9.8. Indicating Devices								-	-	-
A6.2.9.9. Service Panels								-	-	-
A6.2.9.10. Ground Servicing Quick Disconnects								-	-	-
A6.2.10. Bleed Hydraulic Power System	*							-	-	-
A6.2.11. Repair/Overhaul/Bench Check Components										
TR: 16W Series, 9H Series										
A6.2.11.1. Accumulator Service Panel								-	-	-
A6.2.11.2. System Accumulator								-	-	-
A6.2.11.3. Bootstrap Reservoir								-	-	-
A6.2.11.4. Reservoir Fill Filter and Head Assembly								-	-	-
A6.2.11.5. Reservoir Ground Service Panel								-	-	-
A6.2.11.6. Reservoir Overfill Tank								-	-	-
A6.2.11.7. Hydraulic Filter Module								-	-	-
A6.2.11.8. Pump Crossover Manifold								-	-	-
A6.2.11.9. Crew Entry Door Selector Valve								-	-	-
A6.2.11.10. Accumulator Dump Valve Module								-	-	-
A6.2.11.11. Reservoir Fill Selector Valve								-	-	-
A6.2.11.12. Hydraulic Servicing Panel								-	-	-
A6.2.12. Troubleshoot Malfunctions	*							-	-	-
A6.3. LANDING GEAR SYSTEMS										
TR: 1B-2A-2-32GS-00-1, 1B-2A-2-32JG Series										
A6.3.1. Operational Fundamentals								-	-	-
A6.3.2. Perform Ops Check of Normal System										
A6.3.2.1. Position A (Supervisor)	*							-	-	-
A6.3.2.2. Position B (Flightdeck Operator)	*							-	-	-
A6.3.3. Perform Ops Check of Emergency System										
A6.3.3.1. Position A (Supervisor)	*							-	-	-
A6.3.3.2. Position B (Flightdeck Operator)	*							-	-	-

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	2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/Information Provided (See Attachment 1)		
			A	B	C	D	E	A 3 Level	B 5-Level	C 7 Level
	5	7	Tng Start	Tng Comp	Trainee Initials	Trainer Initials	Certifier Initials	Course	CDC	(1) Course
1. Tasks, Knowledge And Technical References										
A6.3.4. Inspect	*							-	-	-
A6.3.5. Service Struts	*							-	-	-
A6.3.6. Remove Components										
A6.3.6.1. Proximity Sensor Logic Unit								-	-	-
A6.3.6.2. Switching Valves								-	-	-
A6.3.6.3. Valves								-	-	-
A6.3.6.4. Actuators								-	-	-
A6.3.6.5. Accumulators								-	-	-
A6.3.7. Install Components										
A6.3.7.1. Proximity Sensor Logic Unit								-	-	-
A6.3.7.2. Switching Valves								-	-	-
A6.3.7.3. Valves								-	-	-
A6.3.7.4. Actuators								-	-	-
A6.3.7.5. Accumulators								-	-	-
A6.3.8. Bleed Landing Gear System								-	-	-
A6.3.9. Repair/Overhaul/Bench Check Components										
TR: 9H Series										
A6.3.9.1. MLG Door Selector Valve								-	-	-
A6.3.9.2. MLG Door Lock Selector Valve								-	-	-
A6.3.9.3. MLG Door Lock Actuator								-	-	-
A6.3.9.4. NLG Door Lock Actuator								-	-	-
A6.3.9.5. NLG Door Selector Valve								-	-	-
A6.3.9.6. NLG Selector Valve								-	-	-
A6.3.9.7. MLG Lock Link Actuator Assembly								-	-	-
A6.3.9.8. NLG Lock Link Actuator								-	-	-
A6.3.9.9. MLG Uplock Release Actuator								-	-	-
A6.3.9.10. NLG Uplock Release Actuator								-	-	-
A6.3.9.11. MLG Extend Emergency Selector Valve								-	-	-
A6.3.9.12. MLG Emergency Unlock Actuator								-	-	-
A6.3.9.13. MLG Emergency Door Unlock Actuator								-	-	-
A6.3.9.14. MLG Emergency Extend Accumulator								-	-	-
A6.3.9.15. NLG Switching Valve								-	-	-
A6.3.9.16. MLG Emergency Bypass Valve								-	-	-
A6.3.9.17. MLG Anti-blowback Valve								-	-	-
A6.3.9.18. NLG Anti-blowback Valve								-	-	-
A6.3.9.19. Truck Position Pressure Reducing Valve								-	-	-
A6.3.9.20. NLG Transfer Cylinder								-	-	-
A6.3.9.21. NLG Door Transfer Cylinder								-	-	-
A6.3.9.22. NLG Emergency Transfer Cylinder								-	-	-
A6.3.9.23. NLG Door Emergency Transfer Cylinder								-	-	-

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STS 2A6X5 November 2002

	2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/Information Provided (See Attachment 1)		
			A	B	C	D	E	A 3 Level	B 5-Level	C 7 Level
	5	7	Tng Start	Tng Comp	Trainee Initials	Trainer Initials	Certifier Initials	Course	CDC	(1) Course
1. Tasks, Knowledge And Technical References								-	-	-
A6.3.9.24. MLG Retract Actuator								-	-	-
A6.3.9.25. NLG Actuator								-	-	-
A6.3.9.26. MLG Door Actuator								-	-	-
A6.3.9.27. NLG Door Actuator								-	-	-
A6.3.9.28. NLG Emergency Extend Actuator								-	-	-
A6.3.9.29. NLG Door Emergency Extend Actuator								-	-	-
A6.3.10. Troubleshoot Malfunctions	*							-	-	-
A6.4. NOSE WHEEL STEERING SYSTEMS										
TR: 1B-2A-2-32GS-00-1, 1B-2A-2-32JG Series										
A6.4.1. Operational Fundamentals								-	-	-
A6.4.2. Perform Operational Check	*							-	-	-
A6.4.3. Inspect	*							-	-	-
A6.4.4. Remove Components										
A6.4.4.1. Manifold								-	-	-
A6.4.4.2. Switches								-	-	-
A6.4.4.3. Valves								-	-	-
A6.4.4.4. Motor								-	-	-
A6.4.4.5. Gearbox								-	-	-
A6.4.5. Install Components										
A6.4.5.1. Manifold								-	-	-
A6.4.5.2. Switches								-	-	-
A6.4.5.3. Valves								-	-	-
A6.4.5.4. Motor								-	-	-
A6.4.5.5. Gearbox								-	-	-
A6.4.6. Bleed Nose Wheel Steering System								-	-	-
A6.4.7. Repair/Overhaul/Bench Check Components										
TR: 9H Series										
A6.4.7.1. NLG Steering Compensator								-	-	-
A6.4.8. Perform Adjustments								-	-	-
A6.4.9. Troubleshoot Malfunctions	*							-	-	-
A6.5. WHEEL BRAKE SYSTEM										
TR: 1B-2A-2-32GS-00-1, 1B-2A-2-32JG Series										
A6.5.1. Operational Fundamentals								-	-	-
A6.5.2. Perform Operational Check	*							-	-	-
A6.5.3. Inspect	*							-	-	-
A6.5.4. Remove Components										
A6.5.4.1. Brake Meetering Valve								-	-	-
A6.5.4.2. Valves								-	-	-
A6.5.4.3. Accumulator								-	-	-
A6.5.4.4. Antiskid Modules								-	-	-

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	2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/Information Provided (See Attachment 1)		
			A	B	C	D	E	A 3 Level	B 5-Level	C 7 Level
	5	7	Tng Start	Tng Comp	Trainee Initials	Trainer Initials	Certifier Initials	Course	CDC	(1) Course
1. Tasks, Knowledge And Technical References								-	-	-
A6.5.4.5. Antiskid Control Unit								-	-	-
A6.5.4.6. Brakes								-	-	-
A6.5.4.7. Fuses								-	-	-
A6.5.5. Install Components										
A6.5.5.1. Brake Meetering Valve								-	-	-
A6.5.5.2. Valves								-	-	-
A6.5.5.3. Accumulator								-	-	-
A6.5.5.4. Antiskid Modules								-	-	-
A6.5.5.5. Antiskid Control Unit								-	-	-
A6.5.5.6. Brakes								-	-	-
A6.5.5.7. Fuses								-	-	-
A6.5.6. Bleed Wheel Brake System	*							-	-	-
A6.5.7. Repair/Overhaul/Bench Check Components										
TR: 4B Series, 9H Series										
A6.5.7.1. Brake Assembly								-	-	-
A6.5.7.2. Normal Brake Selector Valve								-	-	-
A6.5.7.3. Alternate Brake Selector Valve								-	-	-
A6.5.7.4. Emergency Brake Accumulator								-	-	-
A6.5.8. Perform Adjustments								-	-	-
A6.5.9. Troubleshoot Malfunctions	*							-	-	-
A6.6. FLIGHT CONTROL SYSTEMS										
TR: 1B-2A-2-27GS-00-1, 1B-2A-2-27JG Series										
A6.6.1. Operational Fundamentals								-	-	-
A6.6.2. Perform Operational Check	*							-	-	-
A6.6.3. Inspect	*							-	-	-
A6.6.4. Remove Components										
A6.6.4.1. Rudder Actuator	*							-	-	-
A6.6.4.2. Elevon Actuator	*							-	-	-
A6.6.4.3. GLAS Actuator								-	-	-
A6.6.5. Install Components								-	-	-
A6.6.5.1. Rudder Actuator	*							-	-	-
A6.6.5.2. Elevon Actuator	*							-	-	-
A6.6.5.3. GLAS Actuator								-	-	-
A6.6.6. Bleed Flight Control System								-	-	-
A6.6.7. Troubleshoot Malfunctions	*							-	-	-
A6.7. WEAPONS BAY DOOR SYSTEM										
TR: 1B-2A-2-94GS-00-1, 1B-2A-2-94JG Series										
A6.7.1. Operational Fundamentals								-	-	-
A6.7.2. Perform Operational Check	*							-	-	-
A6.7.3. Inspect	*									

B-2 TRAINING REQUIREMENTS

STS 2A6X5 November 2002

	2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/Information Provided (See Attachment 1)		
			A	B	C	D	E	A 3 Level	B 5-Level	C 7 Level
	5	7	Tng Start	Tng Comp	Trainee Initials	Trainer Initials	Certifier Initials	Course	CDC	(1) Course
1. Tasks, Knowledge And Technical References										
A6.7.4. Remove Components										
A6.7.4.1. Switching valve								-	-	-
A6.7.4.2. RLA PDU								-	-	-
A6.7.4.3. Door PDU								-	-	-
A6.7.5. Install Components								-	-	-
A6.7.5.1. Switching valve								-	-	-
A6.7.5.2. RLA PDU								-	-	-
A6.7.5.3. Door PDU								-	-	-
A6.7.6. Bleed Weapon Bay Door System								-	-	-
A6.7.7 Repair/Overhaul/Bench Check Components TR: 1B-2A-2-28GS-00-1, 1B-2A-2-28JG Series										
A6.7.7.1. Switching Valve								-	-	-
A6.7.8. Troubleshoot Malfunctions	*							-	-	-
A6.8. AIR REFUELING RECEIVER SYSTEM TR: 1B-2A-2-28GS-00-1, 1B-2A-2-28JG Series										
A6.8.1. Operational Fundamentals								-	-	-
A6.8.2. Perform Operational Check	*							-	-	-
A6.8.3. Inspect	*							-	-	-
A6.8.4. Remove Components										
A6.8.4.1. Switching Valve								-	-	-
A6.8.4.2. Valves								-	-	-
A6.8.4.3. Air Refueling Slipway Installation								-	-	-
A6.8.4.4. Rollover Mechanism								-	-	-
A6.8.5. Install Components								-	-	-
A6.8.5.1. Switching Valve								-	-	-
A6.8.5.2. Valves								-	-	-
A6.8.5.3. Air Refueling Slipway Installation								-	-	-
A6.8.5.4. Rollover Mechanism								-	-	-
A6.8.6. Bleed Air Refueling Receiver System								-	-	-
A6.8.7. Repair/Overhaul/Bench Check Components TR: 9H Series										
A6.8.7.1. Switching Valve								-	-	-
A6.8.7.2. Pressure Reducing Valve								-	-	-
A6.8.8. Perform Adjustments								-	-	-
A6.8.9. Troubleshoot Malfunctions	*							-	-	-
A6.9. ENGINE AUXILIARY INLET DOOR SYSTEM TR: 1B-2A-2-71GS-00-1, 1B-2A-2-71JG Series										
A6.9.1. Operational Fundamentals								-	-	-
A6.9.2. Perform Operational Check								-	-	-
A6.9.3. Inspect								-	-	-

B-2 TRAINING REQUIREMENTS

STS 2A6X5 November 2002

	2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/Information Provided (See Attachment 1)		
			A	B	C	D	E	A 3 Level	B 5-Level	C 7 Level
	5	7	Tng Start	Tng Comp	Trainee Initials	Trainer Initials	Certifier Initials	Course	CDC	(1) Course
1. Tasks, Knowledge And Technical References										
A6.9.4. Remove Components										
A6.9.4.1. Actuators (AV 1-11)								-	-	-
A6.9.4.2. Actuators AV 12 & sub)								-	-	-
A6.9.4.3. Valves								-	-	-
A6.9.5. Install Components										
A6.9.5.1. Actuators (AV 1-11)								-	-	-
A6.9.5.2. Actuators (AV 12 & sub)								-	-	-
A6.9.5.3. Valves								-	-	-
A6.9.6. Bleed Engine Auxiliary Inlet Door System								-	-	-
A6.9.7. Repair/Overhaul/Bench Check Components TR: 9H Series										
A6.9.7.1. Selector Valve								-	-	-
A6.9.7.2. Door Actuator								-	-	-
A6.9.8. Perform Adjustments								-	-	-
A6.9.9. Troubleshoot Malfunctions								-	-	-
A6.10. AUXILIARY POWER UNIT DOOR SYSTEM TR: 1B-2A-2-49GS-00-1, 1B-2A-2-49JG Series										
A6.10.1. Operational Fundamentals								-	-	-
A6.10.2. Perform Operational Check								-	-	-
A6.10.3. Inspect								-	-	-
A6.10.4. Remove Components										
A6.10.4.1. Actuators								-	-	-
A6.10.4.2. Valves								-	-	-
A6.10.4.3. Accumulators								-	-	-
A6.10.5. Install Components										
A6.10.5.1. Actuators								-	-	-
A6.10.5.2. Valves								-	-	-
A6.10.5.3. Accumulators								-	-	-
A6.10.6. Bleed Auxiliary Power Unit Door System								-	-	-
A6.10.7. Repair/Overhaul/Bench Check Components TR: 9H Series										
A6.10.7.1. Door Accumulator								-	-	-
A6.10.7.2. Accumulator Dump Valve								-	-	-
A6.10.7.3. Pressure Sequencing Bypass Valve								-	-	-
A6.10.7.4. Door Emergency Bypass Valve								-	-	-
A6.10.7.5. Door Normal Selector Valve								-	-	-
A6.10.7.6. Door Emergency Selector Valve								-	-	-
A6.10.7.7. Exhaust Door Actuator								-	-	-
A6.10.8. Perform Adjustments								-	-	-
A6.10.9. Troubleshoot Malfunctions								-	-	-

B-2 TRAINING REQUIREMENTS

STS 2A6X5 November 2002

1. Tasks, Knowledge And Technical References	2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/Information Provided (See Attachment 1)		
	A	B	A	B	C	D	E	A 3 Level	B 5-Level	C 7 Level
	5	7	Tng Start	Tng Comp	Trainee Initials	Trainer Initials	Certifier Initials	Course	CDC	(1) Course (2) CDC
A6.11. CREW ENTRY DOOR SYSTEM TR: 1B-2A-2-52GS-00-1, 1B-2A-2-29JG Series, 1B-2A-2-52JG Series										
A6.11.1. Operational Fundamentals								-	-	-
A6.11.2. Perform Operational Check								-	-	-
A6.11.3. Inspect								-	-	-
A6.11.4. Remove Components										
A6.11.4.1. Actuators								-	-	-
A6.11.4.2. Valves								-	-	-
A6.11.4.3. Accumulator								-	-	-
A6.11.4.4. Module								-	-	-
A6.11.5. Install Components										
A6.11.5.1. Actuators								-	-	-
A6.11.5.2. Valves								-	-	-
A6.11.5.3. Accumulator								-	-	-
A6.11.5.4. Module								-	-	-
A6.11.6. Bleed Crew Entry Door System								-	-	-
A6.11.7. Repair/Overhaul/Bench Check Components TR: 9H Series										
A6.11.7.1. Normal Accumulator								-	-	-
A6.11.7.2. Alternate Accumulator								-	-	-
A6.11.7.3. Valve Module								-	-	-
A6.11.7.4. Door Actuator								-	-	-
A6.11.8. Perform Adjustments								-	-	-
A6.11.9. Troubleshoot Malfunctions								-	-	-
A6.12. DEFENSE MANAGEMENT DOOR SYSTEM TR: 1B-2A-2-93GS-00-1, 1B-1A-2-93JG Series										
A6.12.1. Operational Fundamentals								-	-	-
A6.12.2. Perform Operational Check								-	-	-
A6.12.3. Inspect								-	-	-
A6.12.4. Remove Components										
A6.12.4.1. Valves								-	-	-
A6.12.4.2. Actuators								-	-	-
A6.12.5. Install Components										
A6.12.5.1. Valves								-	-	-
A6.12.5.2. Actuators								-	-	-
A6.12.6. Bleed Defense Management Door System								-	-	-
A6.12.7. Repair/Overhaul/Bench Check Components TR: 9H Series										
A6.12.7.1. Door Actuator								-	-	-

B-2 TRAINING REQUIREMENTS**STS 2A6X5 November 2002**

	2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/ Information Provided (See Attachment 1)		
	A	B	A	B	C	D	E	A 3 Level	B 5-Level	C 7 Level
1. Tasks, Knowledge And Technical References	5	7	Tng Start	Tng Comp	Trainee Initials	Trainer Initials	Certifier Initials	Course	CDC	(1) Course (2) CDC
A6.12.7.2. Selector Valve								-	-	-
A6.12.8. Perform Adjustments								-	-	-
A6.12.9. Troubleshoot Malfunctions								-	-	-

B-52 TRAINING REQUIREMENTS

STS 2A6X5 November 2002

1. Tasks, Knowledge And Technical References	2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/ Information Provided (See Attachment 1)		
	A	B	A	B	C	D	E	A 3 Level	B 5-Level	C 7 Level
	5	7	Tng Start	Tng Comp	Trainee Initials	Trainer Initials	Certifier Initials	Course	CDC	(1) Course (2) CDC

ATTACHMENT 7 (B-52 TRAINING REQUIREMENTS)

NOTE 1: The core tasks listed in Attachment 7 are in addition to those in Attachment 2.

NOTE 2: Tasks and knowledge listed in Attachment 7 will be used in conjunction with Attachment 2 by B-52 personnel for upgrade requirements.

NOTE 3: Users are responsible for annotating training references to identify current references pending STS revision.

NOTE 4: Address comments and recommended changes through ACC Functional Manager (DSN 574-1733) to the AETC Training Manager (DSN 736-2772)..

A7.1.	HYDRAULIC POWER SYSTEMS TR: Applicable aircraft TOs									
A7.1.1.	Perform operational check	*						-	-	-
A7.1.2.	Service components	*						-	-	-
A7.1.3.	Remove components									
A7.1.3.1.	Pumps	*						-	-	-
A7.1.3.2.	Valves							-	-	-
A7.1.3.3.	Filters	*						-	-	-
A7.1.3.4.	Accumulators							-	-	-
A7.1.4.	Install components									
A7.1.4.1.	Pumps	*						-	-	-
A7.1.4.2.	Valves							-	-	-
A7.1.4.3.	Filters	*						-	-	-
A7.1.4.4.	Accumulators							-	-	-
A7.2.	LANDING GEAR SYSTEMS TR: Applicable aircraft TOs									
A7.2.1.	Remove components									
A7.2.1.1.	Actuators	*						-	-	-
A7.2.1.2.	Valves							-	-	-
A7.2.2.	Install components									
A7.2.2.1.	Actuators	*						-	-	-
A7.2.2.2.	Valves							-	-	-
A7.2.3.	Repair/Overhaul components									
A7.2.3.1.	Actuators							-	-	-
A7.2.3.2.	Valves							-	-	-
A7.3.	WHEEL BRAKE SYSTEM TR: Applicable aircraft TOs									
A7.3.1.	Remove components									
A7.3.1.1.	Swivels	*						-	-	-
A7.3.1.2.	Brake Assembly							-	-	-
A7.3.2.	Install components									
A7.3.2.1.	Swivels	*						-	-	-
A7.3.2.2.	Brake Assembly							-	-	-
A7.4.	FLIGHT CONTROL SYSTEMS TR: Applicable Aircraft TOs							-	-	-

B-52 TRAINING REQUIREMENTS

STS 2A6X5 November 2002

	2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/ Information Provided (See Attachment 1)		
			A	B	A	B	C	D	E	A 3 Level
	5	7	Tng Start	Tng Comp	Trainee Initials	Trainer Initials	Certifier Initials	Course	CDC	(1) Course
1. Tasks, Knowledge And Technical References										
A7.4.1. Remove components										
A7.4.1.1. Actuators	*							-	-	-
A7.4.1.2. Rudder Elevator Transformer								-	-	-
A7.4.1.3. Rudder Elevator Pump								-	-	-
A7.4.1.4. Rudder Elevator Reservoir								-	-	-
A7.4.1.5. Swivels								-	-	-
A7.4.2. Install components										
A7.4.2.1. Rudder Elevator Transformer								-	-	-
A7.4.2.2. Rudder Elevator Pump								-	-	-
A7.4.2.3. Rudder Elevator Reservoir								-	-	-
A7.4.2.4. Swivels								-	-	-
A7.4.3. Repair/Overhaul components										
A7.4.3.1. Rudder Elevator Transformer								-	-	-
A7.4.3.2. Rudder Elevator Pump								-	-	-
A7.4.3.3. Rudder Elevator Reservoir								-	-	-
A7.4.4. Bench check components										
A7.4.4.1. Rudder Elevator Transformer								-	-	-
A7.4.4.2. Rudder Elevator Pump								-	-	-
A7.4.4.3. Rudder Elevator Reservoir								-	-	-
A7.5. WEAPONS/CARGO DOOR SYSTEMS										
TR: Applicable aircraft TOs										
A7.5.1. Remove components										
A7.5.1.1. Hydraulic Actuators	*									
A7.5.1.2. Hydraulic Valves								-	-	-
A7.5.2. Install components										
A7.5.2.1. Hydraulic Actuators	*							-	-	-
A7.5.2.2. Hydraulic Valves								-	-	-

C-5 TRAINING REQUIREMENTS

STS 2A6X5 November 2002

1. Tasks, Knowledge And Technical References	2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/Information Provided (See Attachment 1)		
	A	B	A	B	C	D	E	A 3 Level	B 5-Level	C 7 Level
	5	7	Tng Start	Tng Comp	Trainee Initials	Trainer Initials	Certifier Initials	Course	CDC	(1) Course (2) CDC

ATTACHMENT 8 (C-5 TRAINING REQUIREMENTS)

NOTE 1: The core tasks listed in Attachment 8 are in addition to those in Attachment 2.

NOTE 2: Tasks and knowledge listed in Attachment 8 will be used in conjunction with Attachment 2 by C-5 personnel for upgrade requirements.

NOTE 3: Users are responsible for annotating training references to identify current references pending STS revision.

NOTE 4: Address comments and recommended changes through AMC Functional Manager (DSN 779-2630) to the AETC Training Manager (DSN 736-2772).

A8.1. AIRCRAFT GROUND HANDLING TR: TO 1C-5A-2-1										
A8.1.1. Jack or Level Aircraft										
A8.1.1.1. Safety								-	-	-
A8.1.1.2. Manual								-	-	-
A8.1.1.3. Manifold								-	-	-
A8.1.1.4. Perform Jacking Team Member Duties								-	-	-
A8.1.2. Ground Aircraft or Equipment	*							-	-	-
A8.1.3. Lubricate Aircraft								-	-	-
A8.1.4. Tow or Move Aircraft								-	-	-
A8.1.5. Perform Wing/Tail Walker Duties TR: Applicable TO/Checklist								-	-	-
A8.1.6. Install and Remove Ground Safety Devices	*							-	-	-
A8.1.7. Perform Refuel/Defuel Team Member Duties TR: Applicable TO/Checklist								-	-	-
A8.1.8. Open and Close Engine Cowling TR: TO 1C-5A-2-4	*							-	-	-
A8.1.9. Remove/Install Aircraft Access Panels	*							-	-	-
A8.1.10. Use Interphone	*							-	-	-
A8.1.11. Marshall Aircraft								-	-	-
A8.1.12. Perform Aircraft Egress	*							-	-	-
A8.1.13. Foreign Object Damage (FOD)/Dropped Object Prevention Program (DOPP) In and Around Aircraft								-	-	-
A8.1.14. Apply/Disconnect External Electrical Power	*							-	-	-
A8.1.15. Apply/Disconnect External Hydraulic Power	*							-	-	-
A8.1.16. Operate the Malfunction Detection, Analysis, And Recording System (Madars) TR: 1C-5A-2-2								-	-	-
A8.2. HYDRAULIC POWER SYSTEMS TR: 1C-5A-2-3 SERIES										
A8.2.1. Operational Fundamentals								-	-	-
A8.2.2. Inspect System		*						-	-	-
A8.2.3. Perform Operational Check	*							-	-	-
A8.2.4. Troubleshoot System		*						-	-	-
A8.2.5. Drain Hydraulic System								-	-	-
A8.2.6. Flush Hydraulic System								-	-	-

C-5 TRAINING REQUIREMENTS

STS 2A6X5 November 2002

	2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/ Information Provided (See Attachment 1)		
	A	B	A	B	C	D	E	A 3 Level	B 5-Level	C 7 Level
	5	7	Tng Start	Tng Comp	Trainee Initials	Trainer Initials	Certifier Initials	Course	CDC	(1) Course (2) CDC
1. Tasks, Knowledge And Technical References										
A8.2.7. Service Accumulators	*							-	-	-
A8.2.8. Service Reservoir	*							-	-	-
A8.2.9. Remove Components										
A8.2.9.1. Engine Driven Pumps	*							-	-	-
A8.2.9.2. Accumulators	*							-	-	-
A8.2.9.3. Case Drain Flow Monitors (Engine, ATM, PTU)								-	-	-
A8.2.9.4. Suction Line Wiggins Fitting	*							-	-	-
A8.2.9.5. Engine Driven Pump Depressurization Valve	*							-	-	-
A8.2.9.6. Engine Dual Filter Pack	*							-	-	-
A8.2.9.7. Suction Shutoff Valve (Engine, ATM, Etc)								-	-	-
A8.2.9.8. Hydraulic Driven Suction Boost Pump								-	-	-
A8.2.9.9. Electric Driven Suction Boost Pump								-	-	-
A8.2.9.10. Power Transfer Unit								-	-	-
A8.2.9.11. Power Transfer Manifold								-	-	-
A8.2.9.12. Hydraulic Manifold Cartridge Valves	*							-	-	-
A8.2.9.13. Power Generation System Line Replaceable Units (Check Valves, Filters, Pressure Switches, etc.)								-	-	-
A8.2.9.14. ATM Pump								-	-	-
A8.2.10. Install Components										
A8.2.10.1. Engine Driven Pumps	*							-	-	-
A8.2.10.2. Accumulators	*							-	-	-
A8.2.10.3. Case Drain Flow Monitors (Engine, ATM, PTU)										
A8.2.10.4. Suction Line Wiggins Fitting	*									
A8.2.10.5. Engine Driven Pump Depressurization Valve	*									
A8.2.10.6. Engine Dual Filter Pack										
A8.2.10.7. Suction Shutoff Valve (Engine, ATM, Etc)										
A8.2.10.8. Hydraulic Driven Suction Boost Pump										
A8.2.10.9. Electric Driven Suction Boost Pump										
A8.2.10.10. Power Transfer Unit	*									
A8.2.10.11. Power Transfer Manifold										
A8.2.10.12. Hydraulic Manifold Cartridge Valves	*									
A8.2.10.13. Power Generation System Line Replaceable Units (Check Valves, Filters, Pressure Switches, etc.)										
A8.2.10.14. ATM Pump										
A8.3. RAM AIR TURBINE SYSTEM TR: 1C-5A-2 SERIES										
A8.3.1. Operational Fundamentals										
A8.3.2. Inspect System	*									
A8.3.3. Perform Operational Check (Manual)										
A8.3.4. Perform Operational Check (Auto -on jacks)										

C-5 TRAINING REQUIREMENTS

STS 2A6X5 November 2002

	2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/ Information Provided (See Attachment 1)		
	A	B	A	B	C	D	E	A 3 Level	B 5-Level	C 7 Level
	5	7	Tng Start	Tng Comp	Trainee Initials	Trainer Initials	Certifier Initials	Course	CDC	(1) Course (2) CDC
1. Tasks, Knowledge And Technical References										
A8.3.5. Perform Operational Check (Auto –on ground)										
A8.3.6. Troubleshoot System	*									
A8.3.7. Remove Components										
A8.3.7.1. Extend/Retract Actuator										
A8.3.7.2. Pressure Regulator										
A8.3.7.3. Pump										
A8.3.7.4. Ram Air Turbine Line Replaceable Units (Check Valves, Filters, Pressure Switches, etc.)										
A8.3.8. Install Components										
A8.3.8.1. Extend/Retract Actuator										
A8.3.8.2. Pressure Regulator										
A8.3.8.3. Pump										
A8.3.8.4. Ram Air Turbine Line Replaceable Units (Check Valves, Filters, Pressure Switches Etc)										
A8.4. AUXILIARY POWER UNIT HYDRAULIC START SYSTEM TR: 1C-5A-2 SERIES										
A8.4.1. Operational Fundamentals										
A8.4.2. Inspect System	*									
A8.4.3. Perform Operational Check	*									
A8.4.4. Troubleshoot System	*									
A8.4.5. Remove Components										
A8.4.5.1. Line Replaceable Units (Check Valves, Filters, Pressure Switches Etc)										
A8.4.5.2. Start Motor										
A8.4.6. Install Components										
A8.4.6.1. Line Replaceable Units (Check Valves, Filters, Pressure Switches Etc)										
A8.4.6.2. Start Motor										
A8.5. LANDING GEAR SYSTEMS TR: 1C-5A-10 SERIES										
A8.5.1. Operational Fundamentals NLG Extension and Retraction System (Normal/Emergency)										
A8.5.1. Operational Fundamentals MLG Extension and Retraction System (Normal/Emergency)										
A8.5.2. Inspect NLG Strut and Hydraulic Actuating Components	*									
A8.5.3. Inspect MLG Strut and Hydraulic Actuating Components	*									
A8.5.4. Perform Operational Check of Normal System										
A8.5.5. Perform Operational Check of Emergency System										
A8.5.6. Assist on Operational Check of Normal System										
A8.5.7. Assist on Operational Check of Emergency System										
A8.5.8. Reseal NLG Shock Strut Assembly										

C-5 TRAINING REQUIREMENTS

STS 2A6X5 November 2002

	2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/ Information Provided (See Attachment 1)		
			A	B	C	D	E	A 3 Level	B 5-Level	C 7 Level
	5	7	Tng Start	Tng Comp	Trainee Initials	Trainer Initials	Certifier Initials	Course	CDC	(1) Course
A8.5.9.	Reseal MLG Shock Strut Assembly									
A8.5.10.	Adjust 90 Degree Switch On MLG Normal Rotation Actuator									
A8.5.11.	Troubleshoot System	*								
A8.5.12.	Bleed And Service MLG Pitch Position System									
A8.5.13.	Service MLG Strut	*								
A8.5.14.	Service NLG Strut	*								
A8.5.15.	Hot brakes inspection									
A8.5.16.	Remove Components									
A8.5.16.1.	NLG Door Hydraulic Brake									
A8.5.16.2.	Clutch (NLG, MLG)									
A8.5.16.3.	Control Manifold (NLG, MLG, Norm, Alt)	*								
A8.5.16.4.	MLG Collar Lock Actuator	*								
A8.5.16.5.	MLG Rotation Actuator	*								
A8.5.16.6.	MLG Downlock Actuator									
A8.5.16.7.	NLG Downlock Actuator									
A8.5.16.8.	MLG Normal Door Lock Actuator									
A8.5.16.9.	MLG Rotation Manifold									
A8.5.16.10.	Emergency Door Unlock Actuator									
A8.5.16.11.	MLG Interlock Sequence Valve									
A8.5.16.12.	MLG Collar Lock Sequence Valve									
A8.5.16.13.	Slowdown Valve									
A8.5.16.14.	Motors (NLG, NLG Door, MLG, Kneel, Etc)									
A8.5.16.15.	Snubber Valves (NLG, NLG Door, MLG, Etc)									
A8.5.16.16.	MLG Pitch Position Master Cylinder									
A8.5.16.17.	MLG Emergency Pitch Stop Cylinder									
A8.5.16.18.	MLG Pitch Position Cylinder									
A8.5.16.19.	NLG Normal Door Lock Actuator									
A8.5.16.20.	Line Replaceable Units (Fuses, Flow Regulators, Banjo Fittings, Etc)									
A8.5.17.	Install Components									
A8.5.17.1.	NLG Door Hydraulic Brake									
A8.5.17.2.	Clutch (NLG, MLG)									
A8.5.17.3.	Control Manifold (NLG, MLG, Norm, Alt)	*								
A8.5.17.4.	MLG Collar Lock Actuator	*								
A8.5.17.5.	MLG Rotation Actuator	*								
A8.5.17.6.	MLG Downlock Actuator									
A8.5.17.7.	.NLG Downlock Actuator									
A8.5.17.8.	MLG Normal Door Lock Actuator									
A8.5.17.9.	MLG Rotation Manifold									

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	2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/ Information Provided (See Attachment 1)		
	A	B	A	B	C	D	E	A 3 Level	B 5-Level	C 7 Level
	5	7	Tng Start	Tng Comp	Trainee Initials	Trainer Initials	Certifier Initials	Course	CDC	(1) Course (2) CDC
1. Tasks, Knowledge And Technical References										
A8.5.17.10. Emergency Door Unlock Actuator										
A8.5.17.11. MLG Interlock Sequence Valve										
A8.5.17.12. MLG Collar Lock Sequence Valve										
A8.5.17.13. Slowdown Valve										
A8.5.17.14. Motors (NLG, NLG Door, MLG, Kneel, Etc)										
A8.5.17.15. Snubber Valves (NLG, NLG Door, MLG, Etc)										
A8.5.17.16. MLG Pitch Position Master Cylinder										
A8.5.17.17. MLG Emergency Pitch Stop Cylinder										
A8.5.17.18. MLG Pitch Position Cylinder										
A8.5.17.19. NLG Normal Door Lock Actuator										
A8.5.17.20. Line Replaceable Units (Fuses, Flow Regulators, Banjo Fittings, Etc)										
A8.6. NLG/MLG CASTER STEERING SYSTEMS TR: 1C-5A-2-10 SERIES										
A8.6.1. Operational Fundamentals NLG Steering System										
A8.6.2. Operational Fundamentals MLG Castor and Emergency Positioning System										
A8.6.3. Perform Operational Check of NLG Steering Components	*									
A8.6.4. Perform Caster Bite Ck										
A8.6.5. Inspect NLG Steering Components		*								
A8.6.6. Inspect Caster And Emergency Positioning Components		*								
A8.6.7. Perform Caster and Emergency Positioning Ops Ck										
A8.6.8. Troubleshoot System		*								
A8.6.9. Remove Components										
A8.6.9.1. NLG Steering Control Valve	*									
A8.6.9.2. NLG Steering Shuttle Valve										
A8.6.9.3. NLG Steering Actuator										
A8.6.10. Install Components										
A8.6.10.1. NLG Steering Control Valve	*									
A8.6.10.2. NLG Steering Shuttle Valve										
A8.6.10.3. NLG Steering Actuator	■									
A8.7. LANDING GEAR KNEEL SYSTEM TR: 1C-5A-2-10 SERIES										
A8.7.1. Operational Fundamentals										
A8.7.2. Inspect NLG/MLG Kneeling System Components		*								
A8.7.3. Perform Ops Ck of Kneeling System	*									
A8.7.4. Troubleshoot Kneeling System		*								
A8.7.5. Remove Components										
A8.7.5.1. MLG Kneel Brake										
A8.7.5.2. MLG kneel motor	*									

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1. Tasks, Knowledge And Technical References	2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/ Information Provided (See Attachment 1)		
	A	B	A	B	C	D	E	A 3 Level	B 5-Level	C 7 Level
	5	7	Tng Start	Tng Comp	Trainee Initials	Trainer Initials	Certifier Initials	Course	CDC	(1) Course (2) CDC
A8.7.5.3. Line Replaceable Components (Flow Regulators, Control Valves, Etc)										
A8.7.6. Install Components										
A8.7.6.1. MLG Kneel Brake										
A8.7.6.2. MLG knee motor	*									
A8.7.6.3. Line Replaceable Components (Flow Regulators, Control Valves, Etc)										
A8.8. WHEEL BRAKE SYSTEM TR: 1C-5A-2-10										
A8.8.1. Operational Fundamentals										
A8.8.2. Perform Operational Check and Brake/Anti-Skid Bite Ck	*									
A8.8.3. Inspect Brake Anti-Skid Components	*									
A8.8.4. Troubleshoot Brake/Anti-Skid System	*									
A8.8.5. Bleed Brake System (Normal/Alternate/Emergency)	*									
A8.8.6. Remove Components										
A8.8.6.1. Seven Port Brake Valve										
A8.8.6.2. Ballscrew Brake Fluid Transfer Housing										
A8.8.6.3. Brake Piston Cap Assemblies	*									
A8.8.6.4. MLG Brake Assembly										
A8.8.6.5. Anti-skid manifold										
A8.8.6.6. Brake system control valves										
A8.8.6.7. Brake metering valves										
A8.8.6.8. Line Replaceable Components (Fuses, Swivels, pressure switches Hoses Etc)										
A8.8.7. Install Components										
A8.8.7.1. Seven Port Brake Valve										
A8.8.7.2. Ballscrew Brake Fluid Transfer Housing										
A8.8.7.3. Brake Piston Cap Assemblies	*									
A8.8.7.4. MLG brake assembly										
A8.8.7.5. Anti-skid manifold										
A8.8.7.6. Brake system control valves										
A8.8.7.7. Brake metering valves										
A8.8.7.8. Line Replaceable Components (Fuses, Swivels, Pressure switches, Hoses Etc)										
A8.9. FWD LOADING SYSTEM TR: 1C-5A-2-12 SERIES										
A8.9.1. Operational Fundamentals										
A8.9.2. Inspect Fwd Visor and Ramp System Components	*									
A8.9.3. Perform Operational Check Fwd Visor and Ramp System	*									
A8.9.4. Troubleshoot Fwd Visor and Ramp System	*									
A8.9.5. Operate Fwd Visor and Ramp System (Manual Mode)										

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	2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/ Information Provided (See Attachment 1)		
	A	B	A	B	C	D	E	A 3 Level	B 5-Level	C 7 Level
	5	7	Tng Start	Tng Comp	Trainee Initials	Trainer Initials	Certifier Initials	Course	CDC	(1) Course (2) CDC
1. Tasks, Knowledge And Technical References										
A8.9.6. Remove Components										
A8.9.6.1. Cargo Door Control Manifold (Aft Cargo Doors and Ramp or Fwd Cargo Door and Ramp)										
A8.9.6.2. Ramp Bypass Relief Valve										
A8.9.6.3. Aft Cargo Door/Fwd Ramp Lock Actuator										
A8.9.6.4. Visor Lock Actuator	*									
A8.9.6.5. Visor Motor										
A8.9.6.6. Fwd Ramp Actuator	*									
A8.9.6.7. Fwd Ramp Extension Actuator										
A8.9.6.8. Fwd Ramp Extension Toe Plate Actuator										
A8.9.6.9. Ramp to press door actuator B/L 28										
A8.9.6.10. Line Replaceable Components (Fuses, Check Valve, Blocking Valve, cartridge valves, Etc)										
A8.9.7. Install Components										
A8.9.7.1. Cargo Door Control Manifold (Aft Cargo Doors and Ramp or Fwd Cargo Door and Ramp)										
A8.9.7.2. Ramp Bypass Relief Valve										
A8.9.7.3. Aft Cargo Door/Fwd Ramp Lock Actuator										
A8.9.7.4. Visor Lock Actuator	*									
A8.9.7.5. Visor Motor										
A8.9.7.6. Fwd Ramp Actuator	*									
A8.9.7.7. Fwd Ramp Extension Actuator										
A8.9.7.8. Fwd Ramp Extension Toe Plate Actuator										
A8.9.7.9. Ramp to press door actuator B/L 28										
A8.9.7.10. Line Replaceable Components (Fuses, Check Valve, Blocking Valve, Cartridge valves, Etc)										
A8.10. AFT LOADING SYSTEM TR: 1C-5A-2-12 SERIES										
A8.10.1. Operational Fundamentals										
A8.10.2. Inspect Aft Cargo Doors and Ramp System Components	*									
A8.10.3. Perform Ops Ck of Aft Cargo Doors and Ramp System	*									
A8.10.4. Troubleshoot Aft Cargo Doors and Ramp System	*									
A8.10.5. Operate Aft Cargo Doors and Ramp Loading System in Auto Mode	*									
A8.10.6. Operate Aft Cargo Doors and Ramp Loading Systems in Manual Mode										
A8.10.7. Rig Aft Ramp Asymmetry Servovalve										
A8.10.8. Remove Components										
A8.10.8.1. Aft Ramp Actuator										
A8.10.8.2. Ramp to press door actuator B/L 64										
A8.10.8.3. Aft ramp lock actuator										
A8.10.8.4. Pressure Door Actuator										

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	2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/ Information Provided (See Attachment 1)		
	A	B	A	B	C	D	E	A 3 Level	B 5-Level	C 7 Level
	5	7	Tng Start	Tng Comp	Trainee Initials	Trainer Initials	Certifier Initials	Course	CDC	(1) Course (2) CDC
1. Tasks, Knowledge And Technical References										
A8.10.8.5. Hinge Select Actuator	*									
A8.10.8.6. Side Door Actuator										
A8.10.8.7. Aft Ramp Asymmetry Servovalve										
A8.10.8.8. Aft Center Door Motor										
A8.10.9. Install Components										
A8.10.9.1. Aft Ramp Actuator										
A8.10.9.2. Ramp to press door actuator B/L 64										
A8.10.9.3. Aft ramp lock actuator										
A8.10.9.4. Pressure Door Actuator										
A8.10.9.5. Hinge Select Actuator	*									
A8.10.9.6. Side Door Actuator										
A8.10.9.7. Aft Ramp Asymmetry Servovalve										
A8.10.9.8. Aft Center Door Motor										
A8.11. PRIMARY FLIGHT CONTROL SYSTEMS TR: 1C-5A-2-9 SERIES										
A8.11.1. Operational Fundamentals										
A8.11.2. Inspect Primary Flight Control System Components		*								
A8.11.3. Perform Ops Ck of Primary Flight Controls	*									
A8.11.4. Troubleshoot Primary Flight Controls		*								
A8.11.5. Remove Components										
A8.11.5.1. Aileron Manifold	*									
A8.11.5.2. Rudder Manifold										
A8.11.5.3. Elevator Manifold										
A8.11.5.4. Aileron Actuator	*									
A8.11.5.5. Rudder Actuator										
A8.11.5.6. Elevator Actuator										
A8.11.5.7. Elevator Variable Feel Unit										
A8.11.5.8. Primary Flight Control Manifold Components (pressure switch, SOV, SOV motor, etc.)										
A8.11.5.9. Primary flight control gust locks	*									
A8.11.6. Install Components										
A8.11.6.1. Aileron Manifold	*									
A8.11.6.2. Rudder Manifold										
A8.11.6.3. Elevator Manifold										
A8.11.6.4. Aileron Actuator	*									
A8.11.6.5. Rudder Actuator										
A8.11.6.6. Elevator Actuator										
A8.11.6.7. Elevator Variable Feel Unit										
A8.11.6.8. Primary Flight Control Manifold Components (pressure switch, SOV, SOV motor, etc.)										

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	2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/ Information Provided (See Attachment 1)		
	A	B	A	B	C	D	E	A 3 Level	B 5-Level	C 7 Level
	5	7	Tng Start	Tng Comp	Trainee Initials	Trainer Initials	Certifier Initials	Course	CDC	(1) Course (2) CDC
1. Tasks, Knowledge And Technical References										
A8.11.6.9. Primary flight control gust locks	*									
A8.12. SECONDARY FLIGHT CONTROL SYSTEMS TR: 1C-5A-2-9 SERIES										
A8.12.1. Operational Fundamentals										
A8.12.2. Inspect Secondary Flight Control System Components		*								
A8.12.3. Perform Ops Ck of Secondary Flight Controls	*									
A8.12.4. Troubleshoot Secondary Flight Controls		*								
A8.12.4. Null Flap Pack Control Valve										
A8.12.5. Remove Components										
A8.12.5.1. Flap Pack										
A8.12.5.2. Slat Clutch/Brake Assembly										
A8.12.5.3. Norm/Alt Pitch Trim Manifold and Components										
A8.12.5.4. Normal/Alternate pitch trim motor/brake										
A8.12.5.5. Flight Spoiler Actuator										
A8.12.5.6. Ground Spoiler Actuator										
A8.12.6. Install Components										
A8.12.6.1. Flap Pack										
A8.12.6.2. Slat Clutch/Brake Assembly										
A8.12.6.3. Norm/Alt Pitch Trim Manifold and Components										
A8.12.6.4. Normal/Alternate pitch trim motor/brake										
A8.12.6.5. Flight Spoiler Actuator										
A8.12.6.6. Ground Spoiler Actuator										
A8.13. CREW ENTRY DOOR/STAIR LADDER TR: 1C-5A-2-12 SERIES										
A8.13.1. Operational Fundamentals										
A8.13.2. Perform Operational Check	*									
A8.13.3. Inspect System		*								
A8.13.4. Troubleshoot System		*								
A8.13.5. Remove Components										
A8.13.5.1. Crew Entry Door/Stair Ladder Flight Station Ladder Line Replaceable Units										
A8.13.5.2. Crew Entry Door Actuator										
A8.13.5.3. Crew Entry Door Lock Actuator										
A8.13.6. Install Components										
A8.13.6.1. Crew Entry Door/Stair Ladder Flight Station Ladder Line Replaceable Units										
A8.13.6.2. Crew Entry Door Manifolds										
A8.13.6.3. Crew entry door actuator										
A8.13.6.4. Crew entry door lock actuator										

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	2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/Information Provided (See Attachment 1)		
	A	B	A	B	C	D	E	A 3 Level	B 5-Level	C 7 Level
	5	7	Tng Start	Tng Comp	Trainee Initials	Trainer Initials	Certifier Initials	Course	CDC	(1) Course (2) CDC
1. Tasks, Knowledge And Technical References										
A8.14. AFT TROOP COMPARTMENT STAIR LADDER SYSTEM TR: 1C-5A-2-12 SERIES										
A8.14.1. Operational Fundamentals										
A8.14.2. Perform Operational Check	*									
A8.14.3. Inspect System		*								
A8.14.4. Troubleshoot System		*								
A8.15. AIR REFUELING RECEIVER SYSTEM TR: 1C-5A-2-5										
A8.15.1. Operational Fundamentals										
A8.15.2. Perform Operational Check										
A8.15.3. Inspect System		*								
A8.15.4. Troubleshoot System										
A8.16. AIRCRAFT CARGO WINCH SYSTEM TR: 1C-5A-2-2										
A8.16.1. Operational Fundamentals										
A8.16.2. Perform Operational Check										
A8.16.3. Inspect System										
A8.16.4. Remove fwd/aft winch selector valves										
A8.16.5. Install fwd/aft winch selector valves										
A8.16.6. Troubleshoot System										
A8.17. INSPECT/OVERHAUL/BENCH CHECK EQUIPMENT										
A8.17.1. FWD DOORS										
A8.17.1.1. Bench Check Visor Lock Cylinder TR: TO 9H2-5-247-3	*									
A8.17.1.2. Repair/Overhaul Visor Lock Cylinder TR: TO 9H2-5-247-3	*									
A8.17.1.3. Bench Check Visor Cab Top Lock Cylinder TR: TO 9H2-5-247-3										
A8.17.1.4. Repair/Overhaul Visor Cab Top Lock Cylinder TR: TO 9H2-5-247-3										
A8.17.1.5. Bench Check Ramp Uplock Cylinder TR: TO 9H2-5-221-3										
A8.17.1.6. Repair/Overhaul Ramp Uplock Cylinder TR: TO 9H2-5-221-3										
A8.17.1.7. Bench Check Ramp Cylinder TR: TO 9H2-5-210-3										
A8.17.1.8. Repair/Overhaul Ramp Cylinder TR: TO 9H2-5-210-3										

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1. Tasks, Knowledge And Technical References	2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/ Information Provided (See Attachment 1)		
	A	B	A	B	C	D	E	A 3 Level	B 5-Level	C 7 Level
	5	7	Tng Start	Tng Comp	Trainee Initials	Trainer Initials	Certifier Initials	Course	CDC	(1) Course (2) CDC
A8.17.1.9. Bench Check Ramp Extension Cylinder TR: TO 9H2-4-186-3										
A8.17.1.10. Repair/Overhaul Ramp Extension Cylinder TR: TO 9H2-4-186-3										
A8.17.1.11. Bench Check Toe Plate Cylinder TR: TO H8-5-213-3										
A8.17.1.12. Repair/Overhaul Toe Plate Cylinder TR: TO 9H8-5-213-3										
A8.17.1.13. Bench Check Pres Release Valve, Sel Ramp Ext TR: TO 19H8-14-99-3										
A8.17.1.14. Repair/Overhaul Pres Release Valve, Sel Ramp Ext TR: TO 19H8-14-99-3										
A8.17.1.15. Bench Check Directional Control Valve TR: TO 9H8-30-93-3										
A8.17.1.16. Repair/Overhaul Directional Control Valve TR: TO 9H8-30-93-3										
A8.17.2. CREW ENTRY/FLIGHT DECK										
A8.17.2.1. Bench Check Crew Entry Door Cylinder TR: TO 9H2-5-219-3										
A8.17.2.2. Repair/Overhaul Crew Entry Door Cylinder TR: TO 9H2-5-219-3										
A8.17.2.3. Bench Check Crew Entry Door Lock Cylinder TR: TO 9H8-4-188-3										
A8.17.2.4. Repair/Overhaul Crew Entry Door Lock Cylinder TR: TO 9H8-4-188-3										
A8.17.2.5. Bench Check Flight Station Ladder Cylinder TR: TO 9H2-5-213-3										
A8.17.2.6. Repair/Overhaul Flight Station Ladder Cylinder TR: TO 9H2-5-213-3										
A8.17.3. AFT DOORS										
A8.17.3.1. Bench Check Ramp/Press Door Lock Cylinder (BL.28) TR: TO 9H2-5-232-3										
A8.17.3.2. Repair/Overhaul Ramp/Press Door Lock Cylinder (BL.28) TR: TO 9H2-5-232-3										
A8.17.3.3. Bench Check Ramp Cylinder TR: TO 9H2-5-232-3										
A8.17.3.4. Repair/Overhaul Ramp Cylinder TR: TO 9H2-5-232-3										
A8.17.3.5. Bench Check Ramp Uplock Cylinder TR: TO 9H2-5-214-3										

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1. Tasks, Knowledge And Technical References	2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/ Information Provided (See Attachment 1)		
	A	B	A	B	C	D	E	A 3 Level	B 5-Level	C 7 Level
	5	7	Tng Start	Tng Comp	Trainee Initials	Trainer Initials	Certifier Initials	Course	CDC	(1) Course (2) CDC
A8.17.3.6. Repair/Overhaul Ramp Uplock Cylinder TR: TO 9H2-5-214-3										
A8.17.3.7. Bench Check Upper Press Door Cylinder TR: TO 9H2-5-212-3										
A8.17.3.8. Repair/Overhaul Upper Press Door Cylinder TR: TO 9H2-5-212-3										
A8.17.3.9. Bench Check Lower Press Door Cylinder (BL.84) TR: TO 9H2-5-216-3										
A8.17.3.10. Repair/Overhaul Lower Press Door Cylinder (BL.84) TR: TO 9H2-5-216-3										
A8.17.3.11. Bench Check Press Door Uplock Release Cylinder TR: TO 11HCC-9H2-5-192-3										
A8.17.3.12. Repair/Overhaul Press Door Uplock Release Cylinder TR: TO 9H2-5-192-3										
A8.17.3.13. Bench Check Hinge Select Cylinder TR: TO 9H2-5-211-3										
A8.17.3.14. Repair/Overhaul Hinge Select Cylinder TR: TO 9H2-5-211-3										
A8.17.3.15. Bench Check Center Door Drag Latch Cylinder TR: TO 9H2-4-188-3										
A8.17.3.16. Repair/Overhaul Center Door Drag Latch Cylinder TR: TO 9H2-4-188-3										
A8.17.3.17. Bench Check Grab Latch Cylinder TR: TO 9H2-4-187-3										
A8.17.3.18. Repair/Overhaul Grab Latch Cylinder TR: TO 9H2-4-187-3										
A8.17.3.19. Bench Check Aft Door Bayonet Cylinder TR: TO 9H2-4-190-3										
A8.17.3.20. Repair/Overhaul Aft Door Bayonet Cylinder TR: TO 9H2-4-190-3										
A8.17.3.21. Bench Check Cargo Winch TR: TO 13Cl-35-3-2	*									
A8.17.3.22. Repair/Overhaul Cargo Winch TR: TO 13Cl-35-3-2	*									
A8.17.3.23. Bench Check Ramp Unlock Pressure Reducer TR: TO 9H8-15-35-3										
A8.17.3.24. Repair/Overhaul Ramp Unlock Pressure Reducer TR: TO 9H8-15-35-3										
A8.17.3.25. Bench Check Fwd Side Door Actuator TR: TO 9H8-5-215-3										

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1. Tasks, Knowledge And Technical References	2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/ Information Provided (See Attachment 1)		
	A	B	A	B	C	D	E	A 3 Level	B 5-Level	C 7 Level
	5	7	Tng Start	Tng Comp	Trainee Initials	Trainer Initials	Certifier Initials	Course	CDC	(1) Course (2) CDC
A8.17.3.26. Repair/Overhaul Fwd Side Door Actuator TR: TO -9H8-5-215-3										
A8.17.3.27. Bench Check Aft Side Door Actuator TR: TO 9H8-5-215-3										
A8.17.3.28. Repair/Overhaul Aft Side Door Actuator TR: TO 9H8-5-215-3										
A8.17.3.29. Bench Check Troop Ladder Actuator TR: TO 9H2-5-248-3										
A8.17.3.30. Repair/Overhaul Troop Ladder Actuator TR: TO 9H2-5-248-3										
A8.17.3.31. Bench Check Center Door Snubber Valve TR: TO 9H8-30-94-3										
A8.17.3.32. Repair/Overhaul Center Door Snubber Valve TR: TO 9H8-30-94-3										
A8.17.4. MAIN LANDING GEAR (MLG) ACTUATION										
A8.17.4.1. Bench Check Bogie Pitch Pos Cylinder TR: TO 4A7-7-3										
A8.17.4.2. Repair/Overhaul Bogie Pitch Pos Cylinder TR: TO 4A7-7-3										
A8.17.4.3. Bench Check Bogie Pitch Master Cylinder TR: TO 9H2-2-110-3										
A8.17.4.4. Repair/Overhaul Bogie Pitch Master Cylinder TR: TO 9H2-2-110-3										
A8.17.4.5. Bench Check Bogie Pitch Safety/Stop Assembly TR: TO 4SI-94-3										
A8.17.4.6. Repair/Overhaul Bogie Pitch Safety/Stop Assembly TR: TO 4SI-94-3										
A8.17.4.7. Repair/Overhaul Emergency Door Lock Cylinder TR: TO 9H2-2-90-3										
A8.17.4.8. Repair/Overhaul Normal Door Lock Cylinder TR: TO 9H2-3-80-3										
A8.17.4.9. Bench Check Normal Rotation Cylinder TR: TO 9H2-2-100-43	*									
A8.17.4.10. Repair/Overhaul Normal Rotation Cylinder TR: TO 9H2-2-100-43	*									
A8.17.4.11. Bench Check Emergency Rotation Cylinder TR: TO 9H2-2-100-53										
A8.17.4.12. Repair/Overhaul Emergency Rotation Cylinder TR: TO 9H2-2-100-53										

C-5 TRAINING REQUIREMENTS

STS 2A6X5 November 2002

1. Tasks, Knowledge And Technical References	2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/ Information Provided (See Attachment 1)		
	A	B	A	B	C	D	E	A 3 Level	B 5-Level	C 7 Level
	5	7	Tng Start	Tng Comp	Trainee Initials	Trainer Initials	Certifier Initials	Course	CDC	(1) Course (2) CDC
A8.17.4.13. Bench Check Emergency Collar Lock Cylinder TR: TO 9H2-2-100-13										
A8.17.4.14. Repair/Overhaul Emergency Collar Lock Cylinder TR: TO 9H2-2-100-13										
A8.17.4.15. Bench Check Normal Rotation (Collar) Lock Cylinder TR: TO 9H2-2-100-3										
A8.17.4.16. Repair/Overhaul Normal Rotation (Collar) Lock Cylinder TR: TO 9H2-2-100-3										
A8.17.4.17. Bench Check Shock Strut Assy TR: TO 4S1-93-3										
A8.17.4.18. Repair/Overhaul Shock Strut Assy TR: TO 4S1-93-3										
A8.17.4.19. Bench Check MLG Snubber Valve TR: TO 9H8-22-17-2	*									
A8.17.4.20. Repair/Overhaul MLG Snubber Valve TR: TO 9H8-22-17-2	*									
A8.17.4.21. Bench Check Downlock Actuator TR: TO 9H2-2-87-3										
A8.17.4.22. Repair/Overhaul Downlock Actuator TR: TO 9H2-2-87-3										
A8.17.4.23. Bench Check Doorlock Control Valve TR: TO 9H8-35-8-3										
A8.17.4.24. Repair/Overhaul Doorlock Control Valve TR: TO 9H8-35-8-3										
A8.17.4.25. Bench Check Interlock Sequence Valve TR: TO 9H8-9-35-3										
A8.17.4.26. Repair/Overhaul Interlock Sequence Valve TR: TO 9H8-9-35-3										
A8.17.4.27. Bench Check Pressure Reducer TR: TO 9H8-15-39-3										
A8.17.4.28. Repair/Overhaul Pressure Reducer TR: TO 9H8-15-39-3										
A8.17.4.29. Bench Check Rotation Pilot Sequence Valve TR: TO 9H8-40-3										
A8.17.4.30. Repair/Overhaul Rotation Pilot Sequence Valve TR: TO 9H8-40-3										
A8.17.4.31. Remove MLG Shock Strut Outer Cylinder Assembly TR: 4S1-93-3										
A8.17.4.32. Install MLG Shock Strut Outer Cylinder Assembly TR: 4S1-93-3										

C-5 TRAINING REQUIREMENTS

STS 2A6X5 November 2002

1. Tasks, Knowledge And Technical References	2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/ Information Provided (See Attachment 1)		
	A	B	A	B	C	D	E	A 3 Level	B 5-Level	C 7 Level
	5	7	Tng Start	Tng Comp	Trainee Initials	Trainer Initials	Certifier Initials	Course	CDC	(1) Course (2) CDC
A8.17.5. NOSE LANDING GEAR (NLG) ACTUATION										
A8.17.5.1. Bench Check Normal Door Lock/Unlock Cylinder TR: TO 9H2-3-80-3	*									
A8.17.5.2. Repair/Overhaul Normal Door Lock/Unlock Cylinder TR: TO 9H2-3-80-3	*									
A8.17.5.3. Bench Check Door Lock Control Valve TR: TO 9H8-35-8-3	*									
A8.17.5.4. Repair/Overhaul Door Lock Control Valve TR: TO 9H8-35-8-3	*									
A8.17.5.5. Bench Check Downlock/Uplock Actuator TR: TO 4S2-67-3										
A8.17.5.6. Repair/Overhaul Downlk/Uplock Actuator TR: TO 4S2-67-3										
A8.17.5.7. Bench Check Emergency Downlk/Uplock Actuator TR: TO 4S2-67-3										
A8.17.5.8. Repair/Overhaul Emergency Downlk/Uplock Actuator TR: TO 4S2-67-3										
A8.17.5.11. Bench Check Uplock Shuttle Valve TR: TO 9H8-5-64-3										
A8.17.5.12. Repair/Overhaul Uplock Shuttle Valve TR: TO 9H8-5-64-3										
A8.17.6. MLG BRAKE SYSTEM										
A8.17.6.1. Bench Check Carbon Brake Assembly TR: TO 4B1-2-1203	*									
A8.17.6.2. Repair/Overhaul Carbon Brake Assembly TR: TO 4B1-2-1203	*									
A8.17.6.3. Bench Check Parking Brake Accumulator TR: TO 9H7-2-8-3										
A8.17.6.4. Repair/Overhaul Parking Brake Accumulator TR: TO 9H7-2-8-3										
A8.17.6.5. Bench Check 7-Port Valve TR: TO 4BA4-101-3										
A8.17.6.6. Repair/Overhaul 7-Port Valve TR: TO 4BA4-101-3										
A8.17.7. NLG STEERING										
A8.17.7.1. Bench Check Steering Control Manifold TR: TO 4S2-67-3										
A8.17.7.2. Repair/Overhaul Steering Control Manifold TR: TO 4S2-67-3										

C-5 TRAINING REQUIREMENTS

STS 2A6X5 November 2002

1. Tasks, Knowledge And Technical References	2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/ Information Provided (See Attachment 1)		
	A	B	A	B	C	D	E	A 3 Level	B 5-Level	C 7 Level
	5	7	Tng Start	Tng Comp	Trainee Initials	Trainer Initials	Certifier Initials	Course	CDC	(1) Course (2) CDC
A8.17.7.3. Bench Check Steering Cylinders LH, RH TR: TO 4S2-67-3	*									
A8.17.7.4. Repair/Overhaul Steering Cylinders LH, RH TR: TO 4S2-67-3	*									
A8.17.7.5. Bench Check Steering Accumulator TR: TO 9H7-2-8-3										
A8.17.7.6. Repair/Overhaul Steering Accumulator TR: TO 9H7-2-8-3										
A8.17.8. POWERBACK/CASTER										
A8.17.8.1. Bench Check Positioning Manifold TR: TO 9H18-13-3										
A8.17.8.2. Repair/Overhaul Positioning Manifold TR: TO 9H18-13-3										
A8.17.8.3. Bench Check Powerback Cylinder TR: TO 4A7-6-3										
A8.17.8.4. Repair/Overhaul Powerback Cylinder TR: TO 4A7-6-3										
A8.17.9. KNEELING SYSTEM										
A8.17.9.1. Bench Check Kneel Motor TR: TO 9H10-3-48-3										
A8.17.9.2. Repair/Overhaul Kneel Motor TR: TO 9H10-3-48-3										
A8.17.9.3. Bench Check Kneel Control Valve TR: TO 9H8-30-117-3										
A8.17.9.4. Repair/Overhaul Kneel Control Valve TR: TO 9H8-30-117-3										
A8.17.10. FLIGHT CONTROLS										
A8.17.10.1. Bench Check Aileron Cylinder TR: TO 5A14-2-25-3										
A8.17.10.2. Repair/Overhaul Aileron Cylinder TR: TO 5A14-2-25-3										
A8.17.10.3. Bench Check Flight Spoiler Cylinder TR: TO 9H2-4-195-3										
A8.17.10.4. Repair/Overhaul Flight Spoiler Cylinder TR: TO 9H2-4-195-3										
A8.17.10.5. Bench Check Upper Rudder Cylinder TR: TO 5A14-2-24-3										
A8.17.10.6. Repair/Overhaul Upper Rudder Cylinder TR: TO 5A14-2-24-3										

C-5 TRAINING REQUIREMENTS

STS 2A6X5 November 2002

1. Tasks, Knowledge And Technical References	2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/ Information Provided (See Attachment 1)		
	A	B	A	B	C	D	E	A 3 Level	B 5-Level	C 7 Level
	5	7	Tng Start	Tng Comp	Trainee Initials	Trainer Initials	Certifier Initials	Course	CDC	(1) Course (2) CDC
A8.17.10.7. Bench Check Lower Rudder Cylinder TR: TO 5A14-224-3										
A8.17.10.8. Repair/Overhaul Lower Rudder Cylinder TR: TO 5A14-224-3										
A8.17.10.9. Bench Check INBD Elevator Cylinder TR: TO 5A15-9-9-3										
A8.17.10.10. Repair/Overhaul INBD Elevator Cylinder TR: TO 5A15-9-9-3										
A8.17.10.11. Bench Check OUTBD Elevator Cylinder TR: TO 5A15-9-9-3										
A8.17.10.12. Repair/Overhaul OUTBD Elevator Cylinder TR: TO 5A15-9-9-3										
A8.17.10.13. Bench Check Flap Drive Hydraulic Motor TR: TO 9H10-3-37-3										
A8.17.10.14. Repair/Overhaul Flap Drive Hydraulic Motor TR: TO 9H10-3-37-3										
A8.17.10.15. Bench Check Flap Hydraulic Manifold TR: TO 9H8-30-98-3										
A8.17.10.16. Repair/Overhaul Flap Hydraulic Manifold TR: TO 9H8-30-98-3										
A8.17.11. APU START SYSTEM										
A8.17.11.1. Bench Check APU Hydraulic Start Motor TR: TO 9H8-4-80-13										
A8.17.11.2. Repair/Overhaul APU Hydraulic Start Motor TR: TO 9H8-4-80-13										
A8.17.11.3. Bench Check APU Start Accumulator TR: TO 9H1-4-3-3	*									
A8.17.11.4. Repair/Overhaul APU Start Accumulator TR: TO 9H1-4-3-3	*									
A8.17.12. HYD POWER GENERATION										
A8.17.12.1. Bench Check Suction Line SOV TR: TO 9H8-4-80-13										
A8.17.12.2. Repair/Overhaul Suction Line SOV TR: TO 9H8-4-80-13										
A8.17.12.3. Bench Check Engine Driven Pump TR: TO 9H4-2-80-13	*									
A8.17.12.4. Repair/Overhaul Engine Driven Pump TR: TO 9H4-2-80-13										
A8.17.12.5. Bench Check Hydraulic Suction Boost Pump TR: TO 9H4-3-61-3	*									

C-5 TRAINING REQUIREMENTS

STS 2A6X5 November 2002

1. Tasks, Knowledge And Technical References	2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/ Information Provided (See Attachment 1)		
	A	B	A	B	C	D	E	A 3 Level	B 5-Level	C 7 Level
	5	7	Tng Start	Tng Comp	Trainee Initials	Trainer Initials	Certifier Initials	Course	CDC	(1) Course (2) CDC
A8.17.12.6. Repair/Overhaul Hydraulic Suction Boost Pump TR: TO 9H4-3-61-3	*									
A8.17.12.7. Bench Check ATM Hydraulic Driven Pump TR: TO 9H4-2-80-3										
A8.17.12.8. Repair/Overhaul ATM Hydraulic Driven Pump TR: TO 9H4-2-80-3										
A8.17.12.9. Bench Check ATM Pressure SOV TR: TO 9H8-4-209-3										
A8.17.12.10. Repair/Overhaul ATM Pressure SOV TR: TO 9H8-4-209-3										
A8.17.12.11. Bench Check Dual Engine Filter Manifold TR: TO 9H3-3-79-3	*									
A8.17.12.12. Repair/Overhaul Dual Engine Filter Manifold TR: TO 9H3-3-79-3	*									
A8.17.12.13. Bench Check RAT Accumulator TR: TO 9H7-2-8-3										
A8.17.12.14. Repair/Overhaul RAT Accumulator TR: TO 9H7-2-8-3										
A8.17.12.15. Bench Check Reservoir Selector Valve TR: TO 9H8-36-2-3										
A8.17.12.16. Repair/Overhaul Reservoir Selector Valve TR: TO 9H8-36-2-3										
A8.17.13. FUEL SYSTEMS										
A8.17.13.1. Bench Check IFR Slipway Door TR: TO 9H2-4-191-3										
A8.17.13.2. Repair/Overhaul IFR Slipway Door TR: TO 9H2-4-191-3										
A8.17.13.3. Bench Check 3-Way Solenoid TR: TO 9H8-30-141-3										
A8.17.13.4. Repair/Overhaul 3-Way Solenoid TR: TO 9H8-30-141-3										
A8.17.13.5. Bench Check Toggle Lock Actuator TR: TO 6A7-14-3										
A8.17.13.6. Repair/Overhaul Toggle Lock Actuator TR: TO 6A7-14-3										

C-9 TRAINING REQUIREMENTS

STS 2A6X5 November 2002

1. Tasks, Knowledge And Technical References	2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/ Information Provided (See Attachment 1)		
	A	B	A	B	C	D	E	A 3 Level	B 5-Level	C 7 Level
	5	7	Tng Start	Tng Comp	Trainee Initials	Trainer Initials	Certifier Initials	Course	CDC	(1) Course (2) CDC

Attachment 9 C-9 Training Requirements)

Note 1: The following core tasks listed in attachment 9 are in addition to those in attachment 2.

Note 2: Tasks and knowledge listed in attachment 9 will be used in conjunction with attachment 2 by C-9 personnel for upgrade requirements.

Note 3: Users are responsible for annotating training references to identify current references pending STS revision.

Note 4: Address comments and recommended changes through the AMC Functional Manager (DSN 779-2630) to the AETC Training Manager (DSN 736-2772).

A9.1.	AIRCRAFT GROUND HANDLING TR: TO 2-7, 2-9, 2-10, 2-12, 2-20, 2-27, 2-32 and 2-71									
A9.1.1	Jack or Level Aircraft									
A9.1.1.1	Safety									
A9.1.1.2	Manual									
A9.1.1.3	Manifold									
A9.1.1.4	Perform Jacking Team Member Duties									
A9.1.2	Ground Aircraft Or Equipment	*								
A9.1.3	Tow or Move Aircraft									
A9.1.4	Perform Wing/Tail Walker Duties									
A9.1.5	MLG Door and spoiler locks	*								
A9.1.6	Perform Refuel/Defuel Team Member Duties									
A9.1.7	Open And Close Engine Cowling	*								
A9.1.8	Remove/Install Aircraft Access Panels									
A9.1.9	Use Interphone	*								
A9.1.10	Marshall Aircraft									
A9.1.11	Perform Aircraft Egress	*								
A9.1.12	Foreign Object Damage (FOD/Dropped Object Prevention (DOPP) In And Around Aircraft									
A9.1.13	Apply/Disconnect External Electrical Power	*								
A9.1.14	Apply/Disconnect External Hydraulic Power	*								
A9.2.	HYDRAULIC POWER SYSTEMS TR: TO 2-29									
A9.2.1	Operational Fundamentals									
A9.2.2	Inspect System/Leak Limitations		*							
A9.2.3	Perform Operational Check	*								
A9.2.4	Troubleshoot System		*							
A9.2.5	Drain Hydraulic System									
A9.2.6	Flush Hydraulic System									
A9.2.7	Service Accumulator	*								
A9.2.8	Service Reservoir									
A9.2.9	Bleed Hydraulic System									
A9.2.10	Remove Components									
A9.2.10.1	Engine Driven/Non Engine Driven Pumps	*								
A9.2.10.2	Motors									

C-9 TRAINING REQUIREMENTS

STS 2A6X5 November 2002

	2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/ Information Provided (See Attachment 1)		
	A	B	A	B	C	D	E	A 3 Level	B 5-Level	C 7 Level
	5	7	Tng Start	Tng Comp	Trainee Initials	Trainer Initials	Certifier Initials	Course	CDC	(1) Course (2) CDC
1. Tasks, Knowledge And Technical References										
A9.2.10.3. System Priority Valve										
A9.2.10.4. Filters	*									
A9.2.10.5. Reservoirs										
A9.2.10.6. Manifolds										
A9.2.10.7. Accumulators	*									
A9.2.10.8. Indicating Devices										
A9.2.11. Install Components										
A9.2.11.1. Engine Driven/Non Engine Driven Pumps	*									
A9.2.11.2. Motors										
A9.2.11.3. System Priority Valve										
A9.2.11.4. Filters	*									
A9.2.11.5. Reservoir										
A9.2.11.6. Manifolds										
A9.2.11.7. Accumulators	*									
A9.2.11.8. Indicating Devices										
A9.3. LANDING GEAR SYSTEMS										
TR: TO 2-32										
A9.3.1. Operational Fundamentals										
A9.3.2. Perform Operational Check Of Normal System	*									
A9.3.3. Perform Operational Check Of Emergency & Alternate Gear Pump Sump Method										
A9.3.4. Inspect/Leak Limitations	*									
A9.3.5. Troubleshoot System	*									
A9.3.6. Service Struts	*									
A9.3.7. Remove Components										
A9.3.7.1. Struts And Seals										
A9.3.7.2. Bungee Actuator	*									
A9.3.7.3. Up-Lock Actuator	*									
A9.3.7.4. Retract Actuator	*									
A9.3.7.5. Manifold										
A9.3.7.6. Gear Control Valve										
A9.3.7.7. Swivels										
A9.3.8. Install Components										
A9.3.8.1. Strut And Seals										
A9.3.8.2. Bungee Actuator	*									
A9.3.8.3. Up-Lock Actuator	*									
A9.3.8.4. Retract Actuator	*									
A9.3.8.5. Manifolds										
A9.3.8.6. Gear Control Valve										
A9.3.8.7. Swivels										

C-9 TRAINING REQUIREMENTS

STS 2A6X5 November 2002

	2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/ Information Provided (See Attachment 1)		
			A	B	C	D	E	A 3 Level	B 5-Level	C 7 Level
	5	7	Tng Start	Tng Comp	Trainee Initials	Trainer Initials	Certifier Initials	Course	CDC	(1) Course
A9.4. NOSE WHEEL STEERING SYSTEMS TR: TO 2-32										
A9.4.1. Operational Fundamentals										
A9.4.2. Perform Operational Check	*									
A9.4.3. Inspect/Leak Limitations		*								
A9.4.4. Troubleshoot System		*								
A9.4.5. Remove Components										
A9.4.5.1. Steering Actuators	*									
A9.4.5.2. Bypass And Relief Valve										
A9.4.5.3. Steering Control Valve										
A9.4.5.4. Swivels										
A9.4.6. Install Components										
A9.4.6.1. Steering Acutators	*									
A9.4.6.2. Bypass And Relief Valve										
A9.4.6.3. Steering Control Valve										
A9.4.6.4. Swivels										
A9.5. WHEEL BRAKE SYSTEM TR: TO 2-32										
A9.5.1. Operational Fundamentals										
A9.5.2. Perform Operational Check	*									
A9.5.3. Inspect/Leak Limitations		*								
A9.5.4. Troubleshoot System		*								
A9.5.5. Service Components										
A9.5.6. Bleed Brakes										
A9.5.7. Remove Components										
A9.5.7.1. Swivels										
A9.5.7.2. Brake Pressure Manifold										
A9.5.7.3. Accumulators	*									
A9.5.7.4. Brake Control Valve										
A9.5.7.5. Anti-Skid Servo Valve										
A9.5.7.6. Fluid Quantity Limiter										
A9.5.8. Install Components										
A9.5.8.1. Swivels										
A9.5.8.2. Brake Pressure Manifold										
A9.5.8.3. Accumulators	*									
A9.5.8.4. Brake Control Valve										
A9.5.8.5. Anti-Skid Servo Valve										
A9.5.8.6. Fluid Quantity Limiter										
A9.6. FLIGHT CONTROL SYSTEMS TR: TO 2-27										

C-9 TRAINING REQUIREMENTS

STS 2A6X5 November 2002

	2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/ Information Provided (See Attachment 1)		
	A	B	A	B	C	D	E	A 3 Level	B 5-Level	C 7 Level
	5	7	Tng Start	Tng Comp	Trainee Initials	Trainer Initials	Certifier Initials	Course	CDC	(1) Course (2) CDC
1. Tasks, Knowledge And Technical References										
A9.6.1. Operational Fundamentals										
A9.6.2. Perform Operational Check	*									
A9.6.3. Inspect System/leak limitations	*									
A9.6.4. Troubleshoot System	*									
A9.6.5. Service Components										
A9.6.6. Remove Components										
A9.6.6.1. Rudder Pack										
A9.6.6.2. Flap Rudder Stop Actuator										
A9.6.6.3. Elevator Actuator										
A9.6.6.4. Flap Actuator										
A9.6.6.5. Slat Actuator										
A9.6.6.6. Spoiler Actuator										
A9.6.6.7. Spoiler Shut-Off Valve										
A9.6.6.8. Elevator Control Valve										
A9.6.6.9. Flap Control Valve										
A9.6.6.10. Spoiler Control Valve										
A9.6.6.11. Slat Control Valve										
A9.6.7. Install Components										
A9.6.7.1. Rudder Pack										
A9.6.7.2. Flap Rudder Stop Actuator										
A9.6.7.3. Elevator Actuator										
A9.6.7.4. Flap Actuator										
A9.6.7.5. Slat Actuator										
A9.6.7.6. Spoiler Actuator										
A9.6.7.7. Spoiler Shut-Off Valve										
A9.6.7.8. Elevator Control Valve										
A9.6.7.9. Flap Control Valve										
A9.6.7.10. Spoiler Control Valve										
A9.6.7.11. Slat Control Valve										
A9.7. CARGO DOOR SYSTEM TR: TO 2-52										
A9.7.1. Operational Fundamentals										
A9.7.2. Perform Operational Check	*									
A9.7.3. Inspect System	*									
A9.7.4. Troubleshoot System	*									
A9.7.5. Remove Components										
A9.7.5.1. Actuators										
A9.7.5.2. Stair Door Control Valve										
A9.7.5.3. Swivels										
A9.7.5.4. Pumps										

C-9 TRAINING REQUIREMENTS

STS 2A6X5 November 2002

1. Tasks, Knowledge And Technical References	2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/ Information Provided (See Attachment 1)		
	A	B	A	B	C	D	E	A 3 Level	B 5-Level	C 7 Level
	5	7	Tng Start	Tng Comp	Trainee Initials	Trainer Initials	Certifier Initials	Course	CDC	(1) Course (2) CDC
A9.7.6. Install Components										
A9.7.6.1. Actuators										
A9.7.6.2. Stair Door Control Valve										
A9.7.6.3. Swivels										
A9.7.6.4. Pumps										
A9.8. PATIENT LOADING SYSTEM TR: TO 2-52										
A9.8.1. Operational Fundamentals										
A9.8.2. Perform Operational Check	*									
A9.8.3. Inspect System/Leak Limitations	*									
A9.8.4. Troubleshoot System	*									
A9.8.5. Remove Components										
A9.8.5.1. Patient Loading Ramp Actuator										
A9.8.5.2. Patient Loading Ramp Swivel										
A9.8.5.3. PLR Door Actuator										
A9.8.5.4. PLR Door Swivels										
A9.8.5.5. PLR Accumulators										
A9.8.5.6. PLR Door Control Valve										
A9.8.5.7. PLR Control Valve										
A9.8.6. Install Components										
A9.8.6.1. Patient Loading Ramp Actuator										
A9.8.6.2. Patient Loading Ramp Swivel										
A9.8.6.3. PLR Door Actuator										
A9.8.6.4. PLR Door Swivels										
A9.8.6.5. PLR Accumulators										
A9.8.6.6. PLR Door Control Valve										
A9.8.6.7. PLR Control Valve										

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1. Tasks, Knowledge And Technical References	2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/ Information Provided (See Attachment 1)		
	A	B	A	B	C	D	E	A 3 Level	B 5-Level	C 7 Level
	5	7	Tng Start	Tng Comp	Trainee Initials	Trainer Initials	Certifier Initials	Course	CDC	(1) Course (2) CDC

ATTACHMENT 10 (C-17 TRAINING REQUIREMENTS)

NOTE 1: The core tasks listed in Attachment 10 are in addition to those in Attachment 2.

NOTE 2: Tasks and knowledge listed in Attachment 10 will be used in conjunction with Attachment 2 by C-17 personnel for upgrade requirements.

NOTE 3: Users are responsible for annotating training references to identify current references pending STS revision.

NOTE 4: Address comments and recommended changes through AMC Functional Manager (DSN 779-2630) to the AETC Training Manager (DSN 736-2772).

A10.1.	AIRCRAFT GROUND HANDLING									
A10.1.1.	Jack or Level Aircraft									
	TR: 07-12-01									
A10.1.1.1.	Safety									
A10.1.1.2.	Manual									
A10.1.1.3.	Manifold									
A10.1.1.4.	Perform Jacking Team Member Duties									
A10.1.2.	Ground Aircraft Or Equipment									
A10.1.3.	Lubricate Aircraft									
A10.1.4.	Tow Or Move Aircraft									
A10.1.5.	Perform Wing/Tail Walker Duties IAW Applicable TO/Checklist									
A10.1.6.	Open/Close Engine Accessory Compartment Doors	*								
	TR: 54 JG-10 Series									
A10.1.7.	Remove And Install Ground Safety Devices									
	TR: 05 JG-10 Series									
A10.1.7.1.	Rudder Ground Safety Lock	*								
A10.1.7.2.	Aileron Ground Safety Lock	*								
A10.1.7.3.	Elevator Ground Safety Lock	*								
A10.1.7.4.	Spoiler Positioning Support Assembly.									
A10.1.7.5.	Flap Control Handle Ground Safety Lock									
A10.1.7.6.	Cargo Ramp/Door Safeing & Restoration									
A10.1.8.	Perform Refuel/Defuel Team Member Duties									
	TR: 12JG-28 Series									
A10.1.9.	Remove/Install Aircraft Access Panels	*								
A10.1.10.	Operate Interphone System	*								
	TR: 23JG-40 Series									
A10.1.11.	Marshall Aircraft									
A10.1.12.	Perform Aircraft Egress	*								
A10.1.13.	Foreign Object Damage (FOD)/Dropped Object Prevention Program (DOPP) In And Around Aircraft	*								
A10.1.14.	Connect/Disconnect External Electrical Power	*								
	TR: 10JG-60 Series									
A10.1.15.	Connect/Disconnect Ground A/C Unit									
	TR: 10JG-60 Series									

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1. Tasks, Knowledge And Technical References	2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/ Information Provided (See Attachment 1)		
	A	B	A	B	C	D	E	A 3 Level	B 5-Level	C 7 Level
	5	7	Tng Start	Tng Comp	Trainee Initials	Trainer Initials	Certifier Initials	Course	CDC	(1) Course (2) CDC
A10.1.16. Connect/Disconnect External Hydraulic Power TR: 10JG-60 Series	*									
A10.1.17. Operate MMP Using Maintenance Monitor Mode To View & Erase Faults TR: 40JG-20 Series	*									
A10.1.18. Operate Mission Computing System TR: 34JG-60 Series	*									
A10.1.19. Operate Visual Warning & Caution System TR: 31JG-50 Series	*									
A10.1.20. Operate Multifunction Display System TR: 31JG-60 Series	*									
A10.1.21. Auxiliary Power Unit System Operation TR: 49JG-00 Series										
A10.1.22. Fuselage/Wing Access Entry/Exit TR: 00JG-00 Series										
A10.1.23. Vertical Stabilizer Entry/Exit TR: 00JG-00 Series										
A10.1.24. Horizontal Stabilizer Entry/Exit TR: 00JG-00 Series										
A10.1.25. Power Off Under Floor Maintenance Tunnel Entry/Exit TR: 00JG-00 Series										
A10.1.26. Power On Under Floor Maintenance Tunnel Entry/Exit TR: 00JG-00 Series										
A10.1.27. Cargo Ramp Maintenance Tunnel Entry/Exit TR: 00JG-00 Series										
A10.2. HYDRAULIC POWER SYSTEMS TR: TO 1C-17A-2-29 Series										
A10.2.1. Operational Fundamentals										
A10.2.2. Inspect System		*								
A10.2.3. Troubleshoot Hydraulic Power System		*								
A10.2.4. Service Hydraulic Reservoir Primary Method TR: 12JG-29 Series										
A10.2.5. Service Hydraulic Reservoir Alternate Method TR: 12JG-29 Series	*									
A10.2.6. Bleed Hydraulic Reservoir TR: 12JG-29 Series	*									
A10.2.7. Drain Hydraulic Reservoir TR: 12JG-29 Series	*									
A10.2.8. Ops Check Main Hydraulic Power System	*									
A10.2.9. Ops Check Auxiliary Hydraulic Power System	*									

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1. Tasks, Knowledge And Technical References	2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/ Information Provided (See Attachment 1)		
	A	B	A	B	C	D	E	A 3 Level	B 5-Level	C 7 Level
	5	7	Tng Start	Tng Comp	Trainee Initials	Trainer Initials	Certifier Initials	Course	CDC	(1) Course (2) CDC
A10.2.10. Operate Hydraulic System Controller										
A10.2.11. Ops Check RAT System TR: 29-23 Series										
A10.2.12. RAT System Adjustment Input TR: 29-23 Series										
A10.2.13. Stow/Deploy Ram Air Turbine Assembly TR: 29-23 Series										
A10.2.14. Service Bootstrap Accumulator TR: 12JG-29 Series										
A10.2.15. Remove Components										
A10.2.15.1. Engine Driven Hydraulic Pump	*									
A10.2.15.2. Pump Depressurization Solenoid Coil										
A10.2.15.3. Pylon Press Ck Valve										
A10.2.15.4. Pylon Case Drain Ck Valve										
A10.2.15.5. Hydraulic System Panel Assembly										
A10.2.15.6. Hydraulic System Control Unit										
A10.2.15.7. Filter Bowl Ratchet Lever										
A10.2.15.8. Eng Filter Manifold Assembly										
A10.2.15.9. Eng Filter Manifold Bleed Valve										
A10.2.15.10. Hydraulic Sys Reservoir Assembly										
A10.2.15.11. Hydraulic Reservoir Drain Valve										
A10.2.15.12. Hydraulic Reservoir Depress Valve										
A10.2.15.13. Hydraulic Return System Manifolds	*									
A10.2.15.14. Return System Manifold Ck Valve										
A10.2.15.15. Filter Elements	*									
A10.2.15.16. Hydraulic Servicing Reservoir Fill Container										
A10.2.15.17. Reservoir Bleed Valve										
A10.2.15.18. Hydraulic Servicing Rotary Hand Pump										
A10.2.15.19. Reservoir Fill Filter Manifold										
A10.2.15.20. Reservoir Fill Selector Valve										
A10.2.15.21. Reservoir Fill Filter Manifold Element										
A10.2.15.22. Reservoir Over Board Relief Valve										
A10.2.15.23. Emergency Power Shutoff Valve										
A10.2.15.24. Hydraulic Fluid Sump Assembly										
A10.2.15.25. Hydraulic Fuse Assembly										
A10.2.15.26. Auxiliary Hydraulic Pump	*									
A10.2.15.27. Trans/Rev Motor Pump										
A10.2.15.28. Trans/Rev Motor Pump Shutoff Valve										
A10.2.15.29. Auxiliary Hydraulic Pump Filter Manifold										
A10.2.15.30. Reservoir Selector Valve										

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1. Tasks, Knowledge And Technical References	2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/ Information Provided (See Attachment 1)		
	A	B	A	B	C	D	E	A 3 Level	B 5-Level	C 7 Level
	5	7	Tng Start	Tng Comp	Trainee Initials	Trainer Initials	Certifier Initials	Course	CDC	(1) Course (2) CDC
A10.2.15.31. Trans/Rev Motor Pump Manifold Assembly										
A10.2.15.32. Auxiliary Hydraulic Pump Selector Valve Manifold										
A10.2.15.33. RAT Electro Mechanical Actuator										
A10.2.15.34. RAT Ejection Jack Assembly										
A10.2.15.35. RAT Power Unit Mechanical Up Lock Assembly										
A10.2.15.36. Ads Manifold Cargo Press Switch										
A10.2.15.37. Trans/Rev Motor Pump Manifold Cargo Press Switch										
A10.2.15.38. Filter Manifold Diff Press Indicators										
A10.2.15.39. Return Filter Manifold Press Transducers										
A10.2.15.40. Reservoir Low Quantity Sensor Assembly										
A10.2.15.41. Reservoir Liquid Quantity Transducers										
A10.2.15.42. Reservoir Fill Selector Valve Rotary Quantity Switch										
A10.2.15.43. Temperature Switches										
A10.2.15.44. Reservoir Temp Transducer										
A10.2.15.45. Filter Manifold Press Switches										
A10.2.15.46. MLG Shock Strut Jacking Selector Valve										
A10.2.16. Install Components										
A10.2.16.1. Engine Driven Hydraulic Pump	*									
A10.2.16.2. Pump Depressurization Solenoid Coil										
A10.2.16.3. Pylon Press Ck Valve										
A10.2.16.4. Pylon Case Drain Ck Valve										
A10.2.16.5. Hydraulic System Panel Assembly										
A10.2.16.6. Hydraulic System Control Unit										
A10.2.16.7. Filter Bowl Ratchet Lever										
A10.2.16.8. Eng Filter Manifold Assembly										
A10.2.16.9. Eng Filter Manifold Bleed Valve										
A10.2.16.10. Hydraulic System Reservoir Assembly										
A10.2.16.11. Hydraulic Reservoir Drain Valve										
A10.2.16.12. Hydraulic Reservoir Depress Valve										
A10.2.16.13. Hydraulic Return Sys Manifolds	*									
A10.2.16.14. Return System Manifold Ck Valve										
A10.2.16.15. Filter Elements	*									
A10.2.16.16. Hydraulic Servicing Reservoir Fill Container										
A10.2.16.17. Reservoir Bleed Valve										
A10.2.16.18. Hydraulic Servicing Rotary Hand Pump										
A10.2.16.19. Reservoir Fill Filter Manifold										
A10.2.16.20. Reservoir Fill Selector Valve										
A10.2.16.21. Reservoir Fill Filter Manifold Element										
A10.2.16.22. Reservoir Over Board Relief Valve										
A10.2.16.23. Emergency Power Shutoff Valve										

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1. Tasks, Knowledge And Technical References	2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/ Information Provided (See Attachment 1)		
	A	B	A	B	C	D	E	A 3 Level	B 5-Level	C 7 Level
	5	7	Tng Start	Tng Comp	Trainee Initials	Trainer Initials	Certifier Initials	Course	CDC	(1) Course (2) CDC
A10.2.16.24. Hydraulic Fluid Sump Assembly										
A10.2.16.25. Hydraulic Fuse Assembly										
A10.2.16.26. Auxiliary Hydraulic Pump	*									
A10.2.16.27. Trans/Rev Motor Pump										
A10.2.16.28. Trans/Rev Motor Pump Shutoff Valve										
A10.2.16.29. Auxiliary Hydraulic Pump Filter Manifold										
A10.2.16.30. Reservoir Selector Valve										
A10.2.16.31. Trans/Rev Motor Pump Manifold Assembly										
A10.2.16.32. Auxiliary Hydraulic Pump Selector Valve Manifold										
A10.2.16.33. RAT Electro Mechanical Actuator										
A10.2.16.34. RAT Ejection Jack Assembly										
A10.2.16.35. RAT Power Unit Mechanical Up Lock Assembly										
A10.2.16.36. Ads Manifold Cargo Press Switch										
A10.2.16.37. Trans/Rev Motor Pump Manifold Cargo Press Switch										
A10.2.16.38. Filter Manifold Diff Press Indicators										
A10.2.16.39. Return Filter Manifold Press Transducers										
A10.2.16.40. Reservoir Low Quantity Sensor Assembly										
A10.2.16.41. Reservoir Liquid Quantity Transducers										
A10.2.16.42. Reservoir Fill Selector Valve Rotary Quantity Switch										
A10.2.16.43. Temperature Switches										
A10.2.16.44. Reservoir Temperature Transducer										
A10.2.16.45. Filter Manifold Pressure Switches										
A10.2.16.46. MLG Shock Strut Jacking Selector Valve										
A10.3. LANDING GEAR SYSTEMS TR: TO 1C-17A-2-32 Series										
A10.3.1. MLG/NLG Struts/Actuation										
A10.3.1.1. Operational Fundamentals										
A10.3.1.2. Inspect System	*									
A10.3.1.3. Troubleshoot Landing Gear Actuation System	*									
A10.3.1.4. Perform MLG Normal Sys Ops Ck (Person A)	*									
A10.3.1.5. Perform MLG Emergency Sys Ops Ck (Person A)	*									
A10.3.1.6. Perform NLG Normal Sys Ops Ck (Person A)	*									
A10.3.1.7. Perform NLG Emergency Sys Ops Ck (Person A)	*									
A10.3.1.8. Assist MLG Normal Sys Ops Ck (Person B)	*									
A10.3.1.9. Assist MLG Emergency Sys Ops Ck (Person B)	*									
A10.3.1.10. Assist NLG Normal Sys Ops Ck (Person B)	*									
A10.3.1.11. Assist NLG Emergency Sys Ops Ck (Person B)	*									
A10.3.1.12. Service NLG Strut With Hydraulic Fluid TR: 12JG-32 Series	*									

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1. Tasks, Knowledge And Technical References	2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/ Information Provided (See Attachment 1)		
	A	B	A	B	C	D	E	A 3 Level	B 5-Level	C 7 Level
	5	7	Tng Start	Tng Comp	Trainee Initials	Trainer Initials	Certifier Initials	Course	CDC	(1) Course (2) CDC
A10.3.1.13. Service NLG Strut With Nitrogen TR: 12JG-32 Series	*									
A10.3.1.14. Service MLG Strut With Hydraulic Fluid TR: 12JG-32 Series	*									
A10.3.1.15. Service MLG Strut With Nitrogen TR: 12JG-32 Series	*									
A10.3.1.16. Service NLG Strut With OBIGGS Nitrogen TR: 12JG-32 Series										
A10.3.1.17. Service MLG Strut With OBIGGS Nitrogen TR: 12JG-32 Series										
A10.3.1.18. Service MLG Shimmy Damper TR: 12JG-32 Series										
A10.3.2. Remove Components										
A10.3.2.1. MLG Shock Strut Cylinder Assembly										
A10.3.2.2. MLG/NLG Shock Strut Servicing Valve										
A10.3.2.3. MLG Shock Strut Jacking Valve Adapter										
A10.3.2.4. MLG Shock Strut Press Gage										
A10.3.2.5. NLG Shock Strut										
A10.3.2.6. NLG Shock Strut Bearing Packings With Spares										
A10.3.2.7. NLG Shock Strut Bearing Packings										
A10.3.2.8. LG Control Valve Assembly										
A10.3.2.9. MLG Retract Cylinder Manifold Assembly.										
A10.3.2.10. MLG Retract Cylinder	*									
A10.3.2.11. MLG Down Lock Cylinder Assembly.										
A10.3.2.12. MLG Up Latch Cylinder Assembly										
A10.3.2.13. Nose Landing Gear Retract Cylinder	*									
A10.3.2.14. Nose Landing Gear Down Lock Cylinder										
A10.3.3. Install Components										
A10.3.3.1. MLG Shock Strut Cylinder Assembly										
A10.3.3.2. MLG/NLG Shock Strut Servicing Valve										
A10.3.3.3. MLG Shock Strut Jacking Valve Adapter										
A10.3.3.4. NLG Shock Strut										
A10.3.3.5. NLG Shock Strut Bearing Packings With Spares										
A10.3.3.6. NLG Shock Strut Bearing Packings										
A10.3.3.7. LG Control Valve Assembly										
A10.3.3.8. MLG Retract Cylinder Manifold Assemby.										
A10.3.3.9. MLG Retract Cylinder	*									
A10.3.3.10. MLG Down Lock Cylinder Assembly.										
A10.3.3.11. MLG Up Latch Cylinder Assembly										
A10.3.3.12. Nose Landing Gear Retract Cylinder	*									

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	2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/ Information Provided (See Attachment 1)		
	A	B	A	B	C	D	E	A 3 Level	B 5-Level	C 7 Level
	5	7	Tng Start	Tng Comp	Trainee Initials	Trainer Initials	Certifier Initials	Course	CDC	(1) Course (2) CDC
1. Tasks, Knowledge And Technical References										
A10.3.3.13. Nose Landing Gear Down Lock Cylinder										
A10.3.4. BRAKE/ANTISKID SYSTEM TR: TO 1C-17A-2-32 Series										
A10.3.4.1. Operational Fundamentals										
A10.3.4.2. Inspect System	*									
A10.3.4.3. Troubleshoot Brake System	*									
A10.3.4.4. Brake System Operational Checkout	*									
A10.3.4.5. Service Emergency Brake Accumulator	*									
A10.3.4.6. Bleed Brakes										
A10.3.5. Remove Components										
A10.3.5.1. MLG Brake Assembly										
A10.3.5.2. MLG Brake Assembly Bleed Valve										
A10.3.5.3. Parking Brake Accumulator	*									
A10.3.5.4. Dual Brake Control Valve										
A10.3.5.5. Hydraulic Switching Brake Manifold										
A10.3.5.6. Anti-Skid Manifold Assembly										
A10.3.5.7. Anti-Skid Manifold Hydraulic Fuse										
A10.3.5.8. Anti-Skid Control Valve										
A10.3.5.9. Anti-skid Return Shutoff Valve										
A10.3.5.10. Brake Shuttle Manifold Assembly										
A10.3.5.11. Brake Pressure Transducer										
A10.3.6. Install Components										
A10.3.6.1. MLG Brake Assembly										
A10.3.6.2. MLG Brake Assembly Bleed Valve										
A10.3.6.3. Parking Brake Accumulator	*									
A10.3.6.4. Dual Brake Control Valve										
A10.3.6.5. Hydraulic Switching Brake Manifold										
A10.3.6.6. Anti-Skid Manifold Assembly										
A10.3.6.7. Anti-Skid Manifold Hydraulic Fuse										
A10.3.6.8. Anti-Skid Control Valve										
A10.3.6.9. Anti-skid Return Shutoff Valve										
A10.3.6.10. Brake Shuttle Manifold Assembly										
A10.3.6.11. Brake Pressure Transducer										
A10.3.7. NOSEWHEEL STEERING SYSTEM TR: TO 1C-17A-2-32 Series										
A10.3.7.1. Operational Fundamentals										
A10.3.7.2. Inspect System	*									
A10.3.7.3. Troubleshoot Nose Wheel Steering System	*									
A10.3.7.4. Nose Wheel Steering System Operational Checkout	*									
A10.3.8. Remove Components										

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	2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/ Information Provided (See Attachment 1)		
	A	B	A	B	C	D	E	A 3 Level	B 5-Level	C 7 Level
	5	7	Tng Start	Tng Comp	Trainee Initials	Trainer Initials	Certifier Initials	Course	CDC	(1) Course (2) CDC
1. Tasks, Knowledge And Technical References										
A10.3.8.1. Nose Wheel Steering Cylinder	*									
A10.3.8.2. Upper Swivel Gland										
A10.3.8.3. Lower Swivel Gland	*									
A10.3.8.4. Relief Valve										
A10.3.8.5. Nose Wheel Steering Tandem Hydraulic Bypass Valve										
A10.3.8.6. Nose Wheel Steering Tandem Hydraulic Control Valve										
A10.3.9. Install Components										
A10.3.9.1. Nose Wheel Steering Cylinder	*									
A10.3.9.2. Upper Swivel Gland										
A10.3.9.3. Lower Swivel Gland	*									
A10.3.9.4. Relief Valve										
A10.3.9.5. Nose Wheel Steering Tandem Hydraulic Bypass Valve										
A10.3.9.6. Nose Wheel Steering Tandem Hydraulic Control Valve										
A10.4. FLIGHT CONTROL SYSTEMS TR: TO 1C-17A-2-27 Series										
A10.4.1. PRIMARY FLIGHT CONTROL SYSTEMS										
A10.4.1.1. Aileron System Operational Fundamentals										
A10.4.1.2. Inspect Aileron System	*									
A10.4.1.3. Troubleshoot Aileron System	*									
A10.4.1.4. Perform Ops Check of Aileron Mechanical Controls & Surfaces	*									
A10.4.1.5. Rudder System Operational Fundamentals										
A10.4.1.6. Inspect Rudder System	*									
A10.4.1.7. Troubleshoot Rudder System	*									
A10.4.1.8. Perform Ops Check of Rudder Mechanical Controls And Surfaces	*									
A10.4.1.9. Elevator System Operational Fundamentals										
A10.4.1.10. Inspect Elevator System	*									
A10.4.1.11. Troubleshoot Elevator System	*									
A10.4.1.12. Perform Ops Check of Elevator Mechanical Controls And Surfaces	*									
A10.4.2. Remove Components										
A10.4.2.1. Aileron Actuator	*									
A10.4.2.2. Aileron IFCM	*									
A10.4.2.3. Rudder Actuator										
A10.4.2.4. Rudder IFCM										
A10.4.2.5. Elevator Actuator										
A10.4.2.6. Elevator IFCM										
A10.4.3. Install Components										
A10.4.3.1. Aileron Actuator	*									
A10.4.3.2. Aileron IFCM	*									

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	2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/ Information Provided (See Attachment 1)		
	A	B	A	B	C	D	E	A 3 Level	B 5-Level	C 7 Level
	5	7	Tng Start	Tng Comp	Trainee Initials	Trainer Initials	Certifier Initials	Course	CDC	(1) Course (2) CDC
1. Tasks, Knowledge And Technical References										
A10.4.3.3. Rudder Actuator										
A10.4.3.4. Rudder IFCM										
A10.4.3.5. Elevator Actuator										
A10.4.3.6. Elevator IFCM										
A10.4.4. SECONDARY FLIGHT CONTROL SYSTEMS TR: TO 1C-17A-2-27 Series										
A10.4.4.1. Pitch Trim System Operational Fundamentals										
A10.4.4.2. Inspect Pitch Trim system		*								
A10.4.4.3. Troubleshoot Pitch Trim System		*								
A10.4.4.4. Perform Ops Check of Horizontal Stab System	*									
A10.4.4.5. Operate Horizontal Stab System										
A10.4.4.6. Flap system Operational fundamentals	*									
A10.4.4.7. Inspect Flap system		*								
A10.4.4.8. Troubleshoot Flap System		*								
A10.4.4.9. Perform Flap System Ops Check Primary Method	*									
A10.4.4.10. Perform Flap System Ops Check Alternate Method	*									
A10.4.4.11. Operate Flaps/Slats System										
A10.4.4.12. Operate Flaps/Slats System With Slats Disabled										
A10.4.4.13. Slat system Operational fundamentals	*									
A10.4.4.14. Inspect Slat System		*								
A10.4.4.15. Troubleshoot Slat System		*								
A10.4.4.16. Perform Ops Check of Slat System	*									
A10.4.4.17. Perform Ops Check of Spoilers System	*									
A10.4.4.18. Perform Ops Check of Spoiler Actuator	*									
A10.4.5. Remove components										
A10.4.5.1. Pitch Trim Control Valve										
A10.4.5.2. Pitch Trim Motor										
A10.4.5.3. Pitch Trim Brake										
A10.4.5.4. Flap Tandem Control Valve Assembly										
A10.4.5.5. Flap Actuating Cylinder Assembly										
A10.4.5.6. Spoiler Actuator										
A10.4.5.7. Slat Tandem Directional Control Valve										
A10.4.5.8. Slat Actuator Assembly										
A10.4.5.9. Slat Lock Valve Assembly										
A10.4.6. Install components										
A10.4.6.1. Pitch Trim Control Valve										
A10.4.6.2. Pitch Trim Motor										
A10.4.6.3. Pitch Trim Brake										
A10.4.6.4. Flap Control Valve Assembly										
A10.4.6.5. Flap Actuating Cylinder Assembly										

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1. Tasks, Knowledge And Technical References	2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/ Information Provided (See Attachment 1)		
	A	B	A	B	C	D	E	A 3 Level	B 5-Level	C 7 Level
	5	7	Tng Start	Tng Comp	Trainee Initials	Trainer Initials	Certifier Initials	Course	CDC	(1) Course (2) CDC
A10.4.6.6. Spoiler Actuator										
A10.4.6.7. Slat Tandem Directional Control Valve										
A10.4.6.8. Slat Actuator Assembly										
A10.4.6.9. Slat Lock Valve Assembly										
A10.5. CARGO RAMP/DOOR SYSTEM TR: 1C-17A-2-52 Series										
A10.5.1. Operational fundamentals										
A10.5.2. Inspect system		*								
A10.5.3. Troubleshoot Cargo Ramp/Door System		*								
A10.5.4. Perform Cargo Ramp/Door Ops Ck	*									
A10.5.5. Open/Close Cargo Ramp/Door Automatically	*									
A10.5.6. Open/Close Cargo Ramp/Door Manually		*								
A10.5.7. Open/Close Troop Door Air Deflector										
A10.5.8. Remove components										
A10.5.8.1. Troop Door Air Deflector Actuating Cylinder										
A10.5.8.2. Troop Door Air Deflector Control Valve										
A10.5.8.3. Troop Door Clearance Fairing Assembly Actuating Cylinder										
A10.5.8.4. Cargo Door Up Lock Assembly										
A10.5.8.5. Cargo Door Up Lock Actuator Cylinder										
A10.5.8.6. Cargo Door Down Lock Actuator Cylinder										
A10.5.8.7. Cargo Door Actuating Cylinder										
A10.5.8.8. Cargo Door Up Lock Shutoff Valve										
A10.5.8.9. Cargo Ramp Latch Actuating Cylinder										
A10.5.8.10. Hydraulic Hand Pump	*									
A10.5.8.11. Hand Pump Selector Valve										
A10.5.8.12. Hand Pump Pressure Gage										
A10.5.8.13. Ramp Toe Actuating Cylinder										
A10.5.8.14. CDS/ADS Isolation Valve										
A10.5.8.15. CDS/ADS Manifold										
A10.5.8.16. CDS/ADS Manifold Repairs										
A10.5.8.16.1. Solenoid Valve										
A10.5.8.16.2. Solenoid Cover										
A10.5.8.16.3. Solenoid Valve Coil										
A10.5.9. Install components										
A10.5.9.1. Troop Door Air Deflector Actuating Cylinder										
A10.5.9.2. Troop Door Air Deflector Control Valve										
A10.5.9.3. Troop Door Clearance Fairing Assembly. Actuating Cylinder										
A10.5.9.4. Cargo Door Up Lock Assembly.										

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1. Tasks, Knowledge And Technical References	2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/ Information Provided (See Attachment 1)		
	A	B	A	B	C	D	E	A 3 Level	B 5-Level	C 7 Level
	5	7	Tng Start	Tng Comp	Trainee Initials	Trainer Initials	Certifier Initials	Course	CDC	(1) Course (2) CDC
A10.5.9.5. Cargo Door Up Lock Actuator Cylinder										
A10.5.9.6. Cargo Door Down Lock Actuator Cylinder										
A10.5.9.7. Cargo Door Actuating Cylinder										
A10.5.9.8. Cargo Door Up Lock Shutoff Valve										
A10.5.9.9. Cargo Ramp Latch Actuating Cylinder										
A10.5.9.10. Hydraulic Hand Pump	*									
A10.5.9.11. Hand Pump Selector Valve										
A10.5.9.12. Hand Pump Pressure Gage										
A10.5.9.13. Ramp Toe Actuating Cylinder										
A10.5.9.14. CDS/ADS Isolation Valve										
A10.5.9.15. CDS/ADS Manifold										
A10.6. CARGO HANDLING/MISSION SYSTEMS TR: 1C-17A-2-41 Series										
A10.6.1. Operational Fundamentals										
A10.6.2. Inspect System	*									
A10.6.3. Troubleshoot Cargo Handling /Mission System	*									
A10.6.4. Perform Ops Check of Support/Stab Strut Sys.	*									
A10.6.5. Perform CDS System Ops Ck										
A10.6.6. Perform Ops Check of Tow Release Mechanism										
A10.6.7. Perform Ops Check of Parachute Deployment Mechanism										
A10.6.8. Operate Support/Stab Strut										
A10.6.9. Perform Ops Check of Support/Stab Strut System										
A10.6.10. Operate Parachute Deployment Automatic										
A10.6.11. Operate Parachute Deployment Manually										
A10.6.12. Service Cargo Winch TR: 12JG-40 Series										
A10.6.13. Service Load Equalization Reservoir TR: 12JG-40 Series										
A10.7. Remove Components										
A10.7.1. Load Equalization Reservoir Assembly										
A10.7.2. Load Equalization Cylinder Assembly										
A10.7.3. Stab Strut Actuator										
A10.7.4. Reaction Cylinder Assembly										
A10.7.5. Stab Strut Control Valve										
A10.7.6. Stab Strut Door Actuator										
A10.7.9. Tow Release Mechanism Extraction Cylinder										
A10.7.10. Tow Release Mechanism Jettison Cylinder										
A10.7.11. Drogue Chute Deploy Cylinder										
A10.8. Install Components										
A10.8.1. Load Equalization Reservoir Assembly										
A10.8.2. Load Equalization Cylinder Assembly										
A10.8.3. Stab Strut Actuator										

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1. Tasks, Knowledge And Technical References	2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/ Information Provided (See Attachment 1)		
	A	B	A	B	C	D	E	A 3 Level	B 5-Level	C 7 Level
	5	7	Tng Start	Tng Comp	Trainee Initials	Trainer Initials	Certifier Initials	Course	CDC	(1) Course (2) CDC
A10.8.4. Reaction Cylinder Assembly										
A10.8.5. Stab Strut Control Valve										
A10.8.6. Stab Strut Door Actuator										
A10.8.9. Tow Release Mechanism Extraction Cylinder										
A10.8.10. Tow Release Mechanism Jettison Cylinder										
A10.8.11. Drogue Chute Deploy Cylinder										
A10.9. CREW ESCAPE & SAFETY SYSTEM TR: 1C-17A-2-95 Series										
A10.9.1. Operational Fundamentals										
A10.9.2. Inspect System	*									
A10.9.3. Troubleshoot Crew Escape & Safety System	*									
A10.9.4. Service Ramp Emergency Egress Hydraulic Accumulator										
A10.9.5. Perform Ops Check of Ramp Escape Blow Down System	*									
A10.10. Remove Components										
A10.10.1. Emergency Ramp Bypass Valve										
A10.10.2. Ramp Emergency Egress Hydraulic Accumulator										
A10.11. Install components										
A10.11.1. Emergency Ramp Bypass Valve										
A10.11.2. Ramp Emergency Egress Hydraulic Accumulator										
A10.12. FIRE PROTECTION SYSTEM TR: 1C-17A-2-26 Series										
A10.12.1. Operational Fundamentals										
A10.12.2. Inspect System										
A10.12.3. Troubleshoot Fire Protection System										
A10.12.4. Ops Check Engine Hydraulic Shutoff Ball Valve	*									
A10.12.5. Remove Components										
A10.12.5.1. Engine Hydraulic Shutoff Ball Valve										
A10.12.6. Install Components										
A10.12.6.1. Engine Hydraulic Shutoff Ball Valve										
A10.13. INSPECT/OVERHAUL/BENCH CHECK EQUIPMENT										
A10.13.1. Bench Check Linear Actuator Maintenance Fixture TR: 33DA21-512-1										
A10.13.2. Repair/Overhaul Linear Actuator Maintenance Fixture TR: 33DA21-512-1										
A10.13.3. Bench Check Tow Release Mechanism Cylinder TR: 9H2-5-298-2										
A10.13.4. Repair/Overhaul Tow Release Mechanism Cylinder TR: 9H2-5-298-2										
A10.13.5. Bench Check Landing Gear Control Valve TR: 9H8-30-217-2										

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1. Tasks, Knowledge And Technical References	2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/ Information Provided (See Attachment 1)		
	A	B	A	B	C	D	E	A 3 Level	B 5-Level	C 7 Level
	5	7	Tng Start	Tng Comp	Trainee Initials	Trainer Initials	Certifier Initials	Course	CDC	(1) Course (2) CDC
A10.13.6. Repair/Overhaul Landing Gear Control Valve TR: 9H8-30-217-2										
A10.13.7. Bench Check Reservoir Service Selector Valve TR: 9H8-14-319-2										
A10.13.8. Repair/Overhaul Reservoir Service Selector Valve TR: 9H8-14-319-2										
A10.13.9. Bench Check Reservoir Fill Filter TR: 9H3-2-9-3										
A10.13.10 Repair/Overhaul Reservoir Fill Filter TR: 9H3-2-9-3										
A10.13.11. Bench Check Return Filter Manifold TR: 9H18-28-2	*									
A10.13.12. Repair/Overhaul Return Filter Manifold TR: 9H18-28-2	*									
A10.13.13. Bench Check AC Motor Pump Filter TR: 9H3-3-117-2										
A10.13.14. Repair/Overhaul AC Motor Pump Filter TR: 9H3-3-117-2										
A10.13.15. Bench Check Clearance Fairing Cylinder TR: 9H2-5-296-2										
A10.13.16. Repair/Overhaul Clearance Fairing Cylinder TR: 9H2-5-296-2										
A10.13.17. Bench Check Air Deflector Cylinder Assembly TR: 9H2-5-302-2										
A10.13.18. Repair/Overhaul Air Deflector Cylinder Assembly TR: 9H2-5-302-2										
A10.13.19. Bench Check Emergency Egress Accumulator TR: 9H1-4-4-2										
A10.13.20. Repair/Overhaul Emergency Egress Accumulator TR: 9H1-4-4-2										
A10.13.21. Bench Check Hydraulic Brake Accumulator TR: 9H1-2-89-2	*									
A10.13.22. Repair/Overhaul Hydraulic Brake Accumulator TR: 9H1-2-89-2	*									
A10.13.23. Bench Check Main Landing Gear Brake Assembly TR: 4B1-2-1252	*									
A10.13.24. Repair/Overhaul Main Landing Gear Brake Assembly TR: 4B1-2-1252	*									
A10.13.25. Bench Check Brake Shuttle Manifold TR: 9H18-20-2										

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1. Tasks, Knowledge And Technical References	2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/ Information Provided (See Attachment 1)		
	A	B	A	B	C	D	E	A 3 Level	B 5-Level	C 7 Level
	5	7	Tng Start	Tng Comp	Trainee Initials	Trainer Initials	Certifier Initials	Course	CDC	(1) Course (2) CDC
A10.13.26. Repair/Overhaul Brake Shuttle Manifold TR: 9H18-20-2										
A10.13.27. Bench Check MLG Shock Strut TR: 4A4-55-2	*									
A10.13.28. Repair/Overhaul MLG Shock Strut Cylinder TR: 4A4-55-2	*									
A10.13.29. Bench Check MLG Shimmy Damper TR: 4A4-55-2										
A10.13.30. Repair/Overhaul MLG Shimmy Damper TR: 4A4-55-2										
A10.13.31. Bench Check MLG Retract Cylinder TR: 4A4-55-4										
A10.13.32. Repair/Overhaul MLG Retract Cylinder TR: 4A4-55-4										
A10.13.33. Bench Check NLG Down Lock Cylinder TR: 16L-3-17-2	*									
A10.13.34. Repair/Overhaul NLG Down Lock Cylinder TR: 16L-3-17-2	*									
A10.13.35. Bench Check NLG Ground Sensor Strut TR: 4A4-81-2										
A10.13.36. Repair/Overhaul NLG Ground Sensor Strut TR: 4A4-81-2										
A10.13.37. Bench Check NLG Steering Swivel TR: 4A4-81-2										
A10.13.38. Repair/Overhaul NLG Steering Swivel TR: 4A4-81-2										
A10.13.39. Bench Check NLG Bypass Bracket TR: 4A4-52-2										
A10.13.40. Repair/Overhaul NLG Bypass Bracket TR: 4A4-52-2										
A10.13.41. Bench Check NLG Retract Cylinder TR: 4A4-52-2										
A10.13.42. Repair/Overhaul NLG Retract Cylinder TR: 4A4-52-2										
A10.13.43. Bench Check NLG Down Lock Cylinder TR: 4A4-52-2	*									
A10.13.44. Repair/Overhaul NLG Down Lock Cylinder TR: 4A4-52-2	*									
A10.13.45. Bench Check NLG Lower Steering Swivel TR: 4A4-52-2										

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1. Tasks, Knowledge And Technical References	2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/ Information Provided (See Attachment 1)		
	A	B	A	B	C	D	E	A 3 Level	B 5-Level	C 7 Level
	5	7	Tng Start	Tng Comp	Trainee Initials	Trainer Initials	Certifier Initials	Course	CDC	(1) Course (2) CDC
A10.13.46. Repair/Overhaul NLG Lower Steering Swivel TR: 4A4-52-2										
A10.13.47. Bench Check NLG Steering Bypass Valve TR: 9H8-11-51-4										
A10.13.48. Repair/Overhaul NLG Steering Bypass Valve TR: 9H8-11-51-4										
A10.13.49. Bench Check NLG Relief Valve TR: 4A4-79-2										
A10.13.50. Repair/Overhaul NLG Relief Valve TR: 4A4-79-2										
A10.13.51. Bench Check Cargo Winch TR: 13C1-36-2	*									
A10.13.52. Repair/Overhaul Cargo Winch TR: 13C1-36-2	*									
A10.13.53. Bench Check Actuator Stabilizer Strut Assembly TR: 9H2-2-143-2										
A10.13.54. Repair/Overhaul Actuator Stabilizer Strut Assembly TR: 9H2-2-143-2										
A10.13.55. Bench Check Drogue Chute Deploy Cylinder TR: 9H2-5-299-2										
A10.13.56. Repair/Overhaul Drogue Chute Deploy Cylinder TR: 9H2-5-299-2										
A10.13.57. Bench Check Cargo Door Down Lock Cylinder TR: 9H2-300-2	*									
A10.13.58. Repair/Overhaul Cargo Door Down Lock Cylinder TR: 9H2-300-2	*									
A10.13.59. Bench Check Cargo Door Up Lock Cylinder TR: 9H2-5-297-2										
A10.13.60. Repair/Overhaul Cargo Door Up Lock Cylinder TR: 9H2-5-297-2										
A10.13.61. Bench Check Cargo Door Down Latch Assembly TR: 16L-4-17-2										
A10.13.62. Repair/Overhaul Cargo Door Down Latch Assembly TR: 16L-4-17-2										
A10.13.63. Bench Check Cargo Door Up Lock Assembly TR: 16L-4-17-2										
A10.13.64. Repair/Overhaul Cargo Door Up Lock Assembly TR: 16L-4-17-2										
A10.13.65. Bench Check Ramp Toe Cylinder TR: 9H2-4-301-2										

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1. Tasks, Knowledge And Technical References	2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/ Information Provided (See Attachment 1)		
	A	B	A	B	C	D	E	A 3 Level	B 5-Level	C 7 Level
	5	7	Tng Start	Tng Comp	Trainee Initials	Trainer Initials	Certifier Initials	Course	CDC	(1) Course
A10.13.66. Repair/Overhaul Ramp Toe Cylinder TR: 9H2-4-301-2										
A10.13.67. Bench Check Ramp Latch Linear Cylinder TR: 9H2-5-301-2										
A10.13.68. Repair/Overhaul Ramp Latch Linear Cylinder TR: 9H2-5-301-2										

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1. Tasks, Knowledge And Technical References	2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/Information Provided (See Attachment 1)		
	A	B	A	B	C	D	E	A 3 Level	B 5-Level	C 7 Level
	5	7	Tng Start	Tng Comp	Trainee Initials	Trainer Initials	Certifier Initials	Course	CDC	(1) Course (2) CDC

ATTACHMENT 11 (C-130 TRAINING REQUIREMENTS)

NOTE 1: The core tasks listed in Attachment 11 are in addition to those in Attachment 2.

NOTE 2: Tasks and knowledge listed in Attachment 11 will be used in conjunction with Attachment 2 by C-130 personnel for upgrade requirements.

NOTE 3: Users are responsible for annotating training references to identify current references pending STS revision.

NOTE 4: Address comments and recommended changes through AMC Functional Manager (DSN 779-2630) to the AETC Training Manager (DSN 736-2772)..

A11.1.1. Jack or level aircraft TR: TO 1C-130H-07JG-00-1										
A11.1.1.1. Safety	*									
A11.1.1.2. Manual										
A11.1.1.3. Manifold		*								
A11.1.1.4. Perform jacking team member duties	*									
A11.1.2. Ground aircraft or equipment TR: 1C-130H-2-05JG-00-1	*									
A11.1.3. Lubricate aircraft TR: 1C-130H-2-12JG-20-1										
A11.1.4. Tow or move aircraft TR: 1C-130H-2-09JG-00-1										
A11.1.5. Perform wing/tail walker duties TR: 1C-130H-2-09JG-00-1										
A11.1.6. Install and remove ground safety devices TR: 1C-130H-2-10JG-00-1										
A11.1.7. Perform refuel/defuel team member duties TR: 1C-130H-2-12JG-10-1										
A11.1.8. Open and close engine cowling	*									
A11.1.9. Remove/install aircraft access panels	*									
A11.1.10. Use interphone	*									
A11.1.11. Marshall aircraft										
A11.1.12. Perform aircraft egress	*									
A11.1.13. Foreign object damage (FOD)/dropped object prevention program (DOPP) in and around aircraft										
A11.1.14. Apply/Disconnect external electrical power TR: 1C-130H-2-05JG-00-1	*									
A11.1.15. Apply/disconnect external hydraulic power TR: 1C-130H-2-05JG-00-1	*									
A11.2. MAIN HYDRAULIC POWER SYSTEM										
A11.2.1. Operational fundamentals TR: 1C-130H-2-29GS-00-1										
A11.2.2. Inspect system TR: TO 1C-130H-6 series	*									

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1. Tasks, Knowledge And Technical References	2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/ Information Provided (See Attachment 1)		
	A	B	A	B	C	D	E	A 3 Level	B 5-Level	C 7 Level
	5	7	Tng Start	Tng Comp	Trainee Initials	Trainer Initials	Certifier Initials	Course	CDC	(1) Course (2) CDC
A11.2.3. Perform operational check TR: TO 1C-130H-2-29JG-00-1 series										
A11.2.4. Troubleshoot system TR: 1C-130H-2-29FI-00-1	*									
A11.2.5. Service accumulators TR: TO 1C-130H-2-12JG-10-2										
A11.2.6. Apply/Remove hydraulic pressure by preferred and alternate methods TR: TO 1C-130H-2-05JG-00-1	*									
A11.2.7. Service and drain reservoir TR: TO 1C-130H-2-12JG-10-2										
A11.2.8. Flush hydraulic system TR: TO 1C-130H-2-29JG-00-1 series										
A11.2.9. Remove components										
A11.2.9.1. Auxiliary hydraulic pump TR: TO 1C-130H-2-29JG-00-1-2	*									
A11.2.9.2. Hydraulic engine driven pump TR: TO 1C-130H-2-29JG-00-1-1	*									
A11.2.9.3. Engine hydraulic filter and V-ring TR: TO 1C-130H-2-29JG-00-1-1										
A11.2.9.4. Engine hydraulic suction shutoff valve TR: TO 1C-130H-2-29JG-00-1-1										
A11.2.9.5. Hydraulic pressure shutoff valve TR: TO 1C-130H-2-29JG-00-1-1										
A11.2.9.6. Hydraulic suction boost pump TR: TO 1C-130H-2-29JG-00-1-1										
A11.2.9.7. Accumulators (utility, booster, auxiliary) TR: TO 1C-130H-2-29JG-00-1-1										
A11.2.9.8. Ground test valve TR: TO 1C-130H-2-29JG-00-1-1										
A11.2.9.9. Auxiliary system oil cooler TR: TO 1C-130H-2-29JG-00-1-2										
A11.2.9.10. Auxiliary system hand pump TR: TO 1C-130H-2-29JG-00-1-2										
A11.2.9.11. Check valves, filters, pressure switches, and relief valves TR: TOs 1C-130H-2-29JG-00-1-1; 1C-130H-2-29JG-00-1-2										
A11.2.10. Install components										
A11.2.10.1. Auxiliary hydraulic pump TR: TO 1C-130H-2-29JG-00-1-2	*									

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1. Tasks, Knowledge And Technical References	2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/ Information Provided (See Attachment 1)		
	A	B	A	B	C	D	E	A 3 Level	B 5-Level	C 7 Level
	5	7	Tng Start	Tng Comp	Trainee Initials	Trainer Initials	Certifier Initials	Course	CDC	(1) Course (2) CDC
A11.2.10.2. Hydraulic engine driven pump TR: TO 1C-130H-2-29JG-00-1-1	*									
A11.2.10.3. Engine hydraulic filter and V-ring TR: TO 1C-130H-2-29JG-00-1-1										
A11.2.10.4. Engine hydraulic suction shutoff valve TR: TO 1C-130H-2-29JG-00-1-1										
A11.2.10.5. Hydraulic pressure shutoff valve TR: TO 1C-130H-2-29JG-00-1-1										
A11.2.10.6. Hydraulic suction boost pump TR: TO 1C-130H-2-29JG-00-1-1										
A11.2.10.7. Accumulators (utility, booster, auxiliary) TR: TO 1C-130H-2-29JG-00-1-1										
A11.2.10.8. Ground test valve TR: TO 1C-130H-2-29JG-00-1-1										
A11.2.10.9. Auxiliary system oil cooler TR: TO 1C-130H-2-29JG-00-1-2										
A11.2.10.10. Auxiliary system hand pump TR: TO 1C-130H-2-29JG-00-1-2										
A11.2.10.11. Check valves, filters, pressure switches, and relief valves TR: TOs 1C-130H-2-29JG-00-1-1; 1C-130H-2-29JG-00-1-2										
A11.3. MAIN LANDING GEAR (MLG) AND NOSE LANDING GEAR (NLG) SYSTEMS										
A11.3.1. Operational fundamentals TR: TO 1C-130-2-32GS-00-1										
A11.3.2. Inspect system TR: TO 1C-130H-6 series		*								
A11.3.3. Perform operational check TR: TO 1C-130H-2-32JG-10 series	*									
A11.3.4. Troubleshoot system TR: TO 1C-130H-2-32FI-00-1		*								
A11.3.5. Repack MLG strut TR: 1C-130H-2-32JG-10-1										
A11.3.6. Repack NLG strut TR: 1C-130H-2-32JG-20-1										
A11.3.7. Service MLG strut TR: 1C-130H-2-12JG-10-2	*									
A11.3.8. Service NLG strut TR: 1C-130H-2-12JG-10-2	*									
A11.3.9. Remove components										

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1. Tasks, Knowledge And Technical References	2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/ Information Provided (See Attachment 1)		
	A	B	A	B	C	D	E	A 3 Level	B 5-Level	C 7 Level
	5	7	Tng Start	Tng Comp	Trainee Initials	Trainer Initials	Certifier Initials	Course	CDC	(1) Course (2) CDC
A11.3.9.1. Landing gear control valve TR: TO 1C-130H-2-32JG-10-1										
A11.3.9.2. MLG hydraulic motor TR: TO 1C-130H-2-32JG-10-1										
A11.3.9.3. NLG retract actuator TR: TO 1C-130H-2-32JG-20-1										
A11.3.9.4. NLG uplock TR: TO 1C-130H-2-32JG-20-1										
A11.3.9.5. Fuses, flow regulators, etc. TR: TOs 1C-130H-2-32JG-00-1, 1C-130H-2-32JG-10-1, 1C-130H-2-32JG-40-1										
A11.3.10. Install components										
A11.3.10.1. Landing gear control valve TR: TO 1C-130H-2-32JG-10-1										
A11.3.10.2. MLG hydraulic motor TR: TO 1C-130H-2-32JG-10-1										
A11.3.10.3. NLG retract actuator TR: TO 1C-130H-2-32JG-20-1										
A11.3.10.4. NLG uplock TR: TO 1C-130H-2-32JG-20-1										
A11.3.10.5. Fuses, flow regulators, etc. TR: TOs 1C-130H-2-32JG-00-1, 1C-130H-2-32JG-10-1, 1C-130H-2-32JG-40-1										
A11.4. NOSE WHEEL STEERING SYSTEM										
A11.4.1. Operational fundamentals TR: 1C-130-2-32GS-00-1										
A11.4.2. Inspect system TR: TO 1C-130H-6 series	*									
A11.4.3. Perform operational check TR: TO 1C-130H-2-32JG-50-1	*									
A11.4.4. Troubleshoot system TR: TO 1C-130-2-32FI-00-1	*									
A11.4.5. Remove components										
A11.4.5.1. Nose wheel steering actuator TR: TO 1C-130H-2-32JG-50-1										
A11.4.5.2. Nose wheel steering control valve TR: TO 1C-130H-2-32JG-50-1										
A11.4.5.3. Nose wheel steering manifolds TR: TO 1C-130H-2-32JG-50-1										
A11.4.6. Install components										

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1. Tasks, Knowledge And Technical References	2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/ Information Provided (See Attachment 1)		
	A	B	A	B	C	D	E	A 3 Level	B 5-Level	C 7 Level
	5	7	Tng Start	Tng Comp	Trainee Initials	Trainer Initials	Certifier Initials	Course	CDC	(1) Course (2) CDC
A11.4.6.1. Nose wheel steering actuator TR: TO 1C-130H-2-32JG-50-1										
A11.4.6.2. Nose wheel steering control valve TR: TO 1C-130H-2-32JG-50-1										
A11.4.7.3. Nose wheel steering manifolds TR: TO 1C-130H-2-32JG-50-1										
A11.5. WHEEL BRAKE SYSTEM TR:										
A11.5.1. Operational fundamentals TR: 1C-130H-2-32GS-00-1										
A11.5.2. Inspect system TR: TO 1C-130H-6 series	*									
A11.5.3. Perform operational check TR: TO 1C-130-2-32 JG-40-1	*									
A11.5.4. Troubleshoot system TR: TO 1C-130-2-32FI-00-1	*									
A11.5.5. Remove components										
A11.5.5.1. Brake anti-skid valve TR: TO 1C-130H-2-32JG-40-1										
A11.5.5.2. Brake selector valve TR: TO 1C-130H-2-32JG-40-1										
A11.5.5.3. Power brake control valve TR: TO 1C-130H-2-32JG-40-1										
A11.5.5.4. Fuses, swivels, etc. TR: TO 1C-130H-2-32JG-40-1										
A11.5.5.5. Accumulator (Normal, Emergency) TR: TO 1C-130H-2-32JG-40-1										
A11.5.5.6. Brake Assembly TR: TO 1C-130H-2-32JG-40-1										
A11.5.6. Install components										
A11.5.6.1. Brake anti-skid valve TR: TO 1C-130H-2-32JG-40-1										
A11.5.6.2. Brake selector valve TR: TO 1C-130H-2-32JG-40-1										
A11.5.6.3. Power brake control valve TR: TO 1C-130H-2-32JG-40-1										
A11.5.6.4. Fuses, swivels, etc. TR: TO 1C-130H-2-32JG-40-1										
A11.5.6.5. Accumulator (Normal, Emergency) TR: TO 1C-130H-2-32JG-40-1										

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	2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/ Information Provided (See Attachment 1)		
	A	B	A	B	C	D	E	A 3 Level	B 5-Level	C 7 Level
	5	7	Tng Start	Tng Comp	Trainee Initials	Trainer Initials	Certifier Initials	Course	CDC	(1) Course (2) CDC
1. Tasks, Knowledge And Technical References										
A11.5.6.6. Brake Assembly TR: TO 1C-130H-2-32JG-40-1										
A11.6. FLIGHT CONTROL SYSTEM										
A11.6.1. Operational fundamentals TR: TO 1C-130H-2-27GS-00-1										
A11.6.2. Inspect system TR: TO 1C-130H-6 series		*								
A11.6.3. Perform operational check TR: TO 1C-130-27JG series	*									
A11.6.4. Remove components										
A11.6.4.1. Aileron boost pack TR: TO 1C-130H-2-27JG-10-1	*									
A11.6.4.2. Rudder boost pack TR: TO 1C-130H-2-27JG-20-1	*									
A11.6.4.3. Elevator boost pack TR: TO 1C-130H-2-27JG-30-1	*									
A11.6.4.4. Flap brake (4-hole, 8-hole) TR: TO 1C-130H-2-50JG-1-2										
A11.6.4.5. Flap motor TR: TO 1C-130H-2-27JG-10-1										
A11.6.4.6. Shutoff valves, pressure reducers, diverter valves, etc. TR: TO 1C-130H-2-27JG-50-1-1										
A11.6.5. Install components										
A11.6.5.1. Aileron boost pack TR: TO 1C-130H-2-27JG-10-1	*									
A11.6.5.2. Rudder boost pack TR: TO 1C-130H-2-27JG-20-1	*									
A11.6.5.3. Elevator boost pack TR: TO 1C-130H-2-27JG-30-1	*									
A11.6.5.4. Flap brake (4-hole, 8-hole) TR: TO 1C-130H-2-50JG-1-2										
A11.6.5.5. Flap motor TR: TO 1C-130H-2-27JG-10-1										
A11.6.5.6. Shutoff valves, pressure reducers, diverter valves, etc. TR: TO 1C-130H-2-27JG-50-1-1										
A11.7. CARGO DOOR AND RAMP SYSTEM										
A11.7.1. Operational fundamentals TR: 1C-130H-2-52GS-00-1										
A11.7.2. Inspect system TR: TO 1C-130H-6 series		*								

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1. Tasks, Knowledge And Technical References	2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/ Information Provided (See Attachment 1)		
	A	B	A	B	C	D	E	A 3 Level	B 5-Level	C 7 Level
	5	7	Tng Start	Tng Comp	Trainee Initials	Trainer Initials	Certifier Initials	Course	CDC	(1) Course (2) CDC
A11.7.3. Perform operational check TR: TO 1C-130H-2-52JG-30 series	*									
A11.7.4. Troubleshoot system TR: 1C-130H-2-52FI-00-1		*								
A11.7.5. Remove components										
A11.7.5.1. Ramp actuator TR: TO 1C-130H-2-52JG-30-2										
A11.7.5.2. Ramp lock actuator TR: TO 1C-130H-2-52JG-30-2										
A11.7.5.3. Ramp control valve TR: TO 1C-130H-2-52JG-30-2										
A11.7.5.4. Door actuator TR: TO 1C-130H-2-52JG-30-1										
A11.7.5.5. Cargo door snubber TR: TO 1C-130H-2-52JG-30-1										
A11.7.6. Install components										
A11.7.6.1. Ramp actuator TR: TO 1C-130H-2-52JG-30-2										
A11.7.6.2. Ramp lock actuator TR: TO 1C-130H-2-52JG-30-2										
A11.7.6.3. Ramp control valve TR: TO 1C-130H-2-52JG-30-2										
A11.7.6.4. Door actuator TR: TO 1C-130H-2-52JG-30-1										
A11.7.6.5. Cargo door snubber TR: TO 1C-130H-2-52JG-30-1										
A11.8. INSPECT/OVERHAUL/BENCH CHECK EQUIPMENT										
A11.8.1. Bench check actuators TR: TO 9H2 Series										
A11.8.2. Repair/overhaul actuators TR: TO 9H2 Series										
A11.8.3. Bench check elevator boost pack (rod ends only) TR: TO 9H2-4-44-3										
A11.8.4. Repair/overhaul elevator boost pack (rod ends only) TR: TO 9H2-4-44-3										
A11.8.5. Bench check rudder boost pack (rod ends only) TR: TO 9H2-4-96-23										
A11.8.6. Repair/overhaul rudder boost pack (rod ends only) TR: TO 9H2-4-96-23										

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1. Tasks, Knowledge And Technical References	2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/ Information Provided (See Attachment 1)		
	A	B	A	B	C	D	E	A 3 Level	B 5-Level	C 7 Level
	5	7	Tng Start	Tng Comp	Trainee Initials	Trainer Initials	Certifier Initials	Course	CDC	(1) Course (2) CDC
A11.8.7. Bench check aileron boost pack (rod ends only) TR: TO 9H2-4-96-13										
A11.8.8. Repair/overhaul aileron boost pack (rod ends only) TR: TO 9H2-4-96-13										
A11.8.9. Bench check MLG wheel brake TR: TO 4B1-2-1003										
A11.8.10. Repair/overhaul MLG wheel brake TR: TO 4B1-2-1003										
A11.8.11. Bench check wear pads TR: TOs 4B1-2-1003, 4B1-2-1143										
A11.8.12. Repair/overhaul wear pads TR: TOs 4B1-2-1003, 4B1-2-1143										
A11.8.13. Bench check diverter valve TR: TO 9H8-14-99-3										
A11.8.14. Repair/overhaul diverter valve TR: TO 9H8-14-99-3										
A11.8.15. Bench check hydraulic engine driven pumps TR: TO 9H4-2 Series										
A11.8.16. Repair/overhaul hydraulic engine driven pumps TR: TO 9H4-2 Series										
A11.8.17. Bench check steering control valves TR: TO 4SA3-26-3										
A11.8.18. Repair/overhaul steering control valves TR: TO 4SA3-26-3										
A11.9. INFLIGHT REFUELING SYSTEM										
A11.9.1. Operational fundamentals TR: 6A9-3-4, 1C-130H-2-28GS-00-1										
A11.9.2. Inspect system TR: 6A9-3-4, 1C-130A-6WC-13 & 15										
A11.9.3. Perform operational check TR: 1C-130H-2-28JG-20-2										
A11.9.4. Troubleshoot system TR: 6A9-3-41C-130H-2-28FI-00-1-2										
A11.9.5. Service Accumulators TR: 1C-130H-2-12JG-10-1										
A11.9.6. Service Surge Suppressor TR: 1C-130H-2-12JG-10-1										
A11.9.7. Perform Timing of the Inflight Refueling Reel TR: 1C-130H-2-28JG-20-2										
A11.9.8. Remove components										

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1. Tasks, Knowledge And Technical References	2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/ Information Provided (See Attachment 1)		
	A	B	A	B	C	D	E	A 3 Level	B 5-Level	C 7 Level
	5	7	Tng Start	Tng Comp	Trainee Initials	Trainer Initials	Certifier Initials	Course	CDC	(1) Course (2) CDC
A11.9.8.1. Hose Reel TR:1C-130H-2-28JG-20-2										
A11.9.8.2. Refueling Hose TR:1C-130H-2-28JG-20-2										
A11.9.8.3. Coupling and Drogue TR:1C-130H-2-28JG-20-2										
A11.9.8.4. Guillotine TR:1C-130H-2-28JG-20-2										
A11.9.8.5. Servo Positioner TR:1C-130H-2-28JG-20-2										
A11.9.8.6. Accumulators TR:1C-130H-2-28JG-20-2										
A11.9.8.7. Latch Cylinder TR:1C-130H-2-28JG-20-2										
A11.9.8.8. Filters, Pressure Switch, Valves 6,7,14,26, etc. TR:1C-130H-2-28JG-20-2										
A11.9.9. Install components										
A11.9.9.1. Hose Reel TR:1C-130H-2-28JG-20-2										
A11.9.9.2. Refueling Hose TR:1C-130H-2-28JG-20-2										
A11.9.9.3. Coupling and Drogue TR:1C-130H-2-28JG-20-2										
A11.9.9.4. Guillotine TR:1C-130H-2-28JG-20-2										
A11.9.9.5. Servo Positioner TR:1C-130H-2-28JG-20-2										
A11.9.9.6. Accumulators TR:1C-130H-2-28JG-20-2										
A11.9.9.7. Latch Cylinder TR:1C-130H-2-28JG-20-2										
A11.9.9.8. Filters, Pressure Switch, Valves 6,7,14,26, etc. TR: 1C-130H-2-28JG-20-2										
A11.10. Repair/overhaul										
A11.10.1. Hose Reel TR: 6A9-3-4										
A11.11. Bench check components										
A11.11.1. Hose Reel Assy. TR: 6A9-3-4										

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1. Tasks, Knowledge And Technical References	2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/ Information Provided (See Attachment 1)		
	A	B	A	B	C	D	E	A 3 Level	B 5-Level	C 7 Level
	5	7	Tng Start	Tng Comp	Trainee Initials	Trainer Initials	Certifier Initials	Course	CDC	(1) Course (2) CDC

ATTACHMENT 12 (C-135 TRAINING REQUIREMENTS)

NOTE 1: The core tasks listed in Attachment 12 are in addition to those in Attachment 2.

NOTE 2: Tasks and knowledge listed in Attachment 12 will be used in conjunction with Attachment 2 by C-135 personnel for upgrade requirements.

NOTE 3: Users are responsible for annotating training references to identify current references pending STS revision.

NOTE 4: Address comments and recommended changes through AMC Functional Manager (DSN 779-2630) to the AETC Training Manager (DSN 736-2772).

A12.1	AIRCRAFT GROUND HANDLING TR: TO 2-1 series									
A12.1.1.	Jack Or Level Aircraft									
A12.1.1.1.	Safety									
A12.1.1.2.	Manual									
A12.1.1.3.	Manifold									
A12.1.1.4.	Perform Jacking Team Member Duties									
A12.1.2.	Ground Aircraft Or Equipment	*								
A12.1.3.	Lubricate Aircraft									
A12.1.4.	Tow Or Move Aircraft									
A12.1.5.	Perform Wing/Tail Walker Duties If Applicable To/Checklist									
A12.1.6.	Install And Remove Ground Safety Devices	*								
A12.1.7.	Perform Refuel/Defuel Team Member Duties If Applicable To/Checklist									
A12.1.8.	Open And Close Engine Cowling									
A12.1.9.	Remove/Install Aircraft Access Panels									
A12.1.10.	Use Interphone									
A12.1.11.	Marshall Aircraft									
A12.1.12.	Perform Aircraft Egress	*								
A12.1.13.	Foreign Object Damage (FOD)/Dropped Object Prevention Program (DOPP) In And Around Aircraft									
A12.1.14.	Inspect/Use Ground Maintenance Stands									
A12.1.15.	Apply/Disconnect External Electrical Power	*								
A12.1.16.	Apply/Disconnect External Hydraulic Power	*								
A12.2.	HYDRAULIC POWER SYSTEMS TR: TO 2-13 Series									
A12.2.1.	Operational Fundamentals									
A12.2.2.	Inspect System	*								
A12.2.3.	Perform Operational Check	*								
A12.2.4.	Troubleshoot System	*								
A12.2.5.	Drain Hydraulic System									
A12.2.6.	Flush Hydraulic System									
A12.2.7.	Service Accumulator									
	TR TO 2-2 Series									

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	2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/ Information Provided (See Attachment 1)		
	A	B	A	B	C	D	E	A 3 Level	B 5-Level	C 7 Level
	5	7	Tng Start	Tng Comp	Trainee Initials	Trainer Initials	Certifier Initials	Course	CDC	(1) Course (2) CDC
1. Tasks, Knowledge And Technical References										
A12.2.8. Service Reservoir TR TO 2-2 Series										
A12.2.9. Reservoir Pressurization System Checkout										
A12.2.10. Pressurize/Depressurize Left And Right Hydraulic Systems TR: To 2-2JG-2	*									
A12.2.11. Remove Components										
A12.2.11.1. Auxiliary Hydraulic Pump										
A12.2.11.2. Engine Driven Hydraulic Pump	*									
A12.2.11.3. Auxiliary Hydraulic Motor										
A12.2.11.4. Supply Shutoff Valve										
A12.2.11.5. Filters	*									
A12.2.11.6. Reservoirs										
A12.2.11.7. Reservoir Air Pressure Regulator										
A12.2.11.8. Bleed Air Check Valves										
A12.2.11.9. Reservoir Quantity Transmitter										
A12.2.11.10. Accumulator										
A12.2.12. Install Components										
A12.2.12.1. Auxiliary Hydraulic Pump										
A12.2.12.2. Engine Driven Hydraulic Pump	*									
A12.2.12.3. Auxiliary Hydraulic Motor										
A12.2.12.4. Supply Shutoff Valve										
A12.2.12.5. Filters	*									
A12.2.12.6. Reservoirs										
A12.2.12.7. Reservoir Air Pressure Regulator										
A12.2.12.8. Bleed Air Check Valves										
A12.2.12.9. Reservoir Quantity Transmitter										
A12.2.12.10. Accumulator										
A12.3. LANDING GEAR SYSTEM AND COMPONENTS TR: TO 2-7 Series										
A12.3.1. Operational fundamentals										
A12.3.2. Perform Operational Check Of Normal System	*									
A12.3.3. Perform Operational Check Of Emergency System										
A12.3.4. Landing Gear Retraction (Position "A")										
A12.3.5. Landing Gear Retraction (Position "B")										
A12.3.6. Landing Gear Safety Lock Installation TR: TO 2-2 Series										
A12.3.7. Landing Gear Simulated Retraction Position A										
A12.3.8. Landing Gear Simulated Retraction Position B										
A12.3.9. Landing Gear Simulated Retraction Position C										
A12.3.10. Inspect										

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1. Tasks, Knowledge And Technical References	2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/ Information Provided (See Attachment 1)		
	A	B	A	B	C	D	E	A 3 Level	B 5-Level	C 7 Level
	5	7	Tng Start	Tng Comp	Trainee Initials	Trainer Initials	Certifier Initials	Course	CDC	(1) Course (2) CDC
A12.3.11. Troubleshoot System	*									
A12.3.12. Service Struts TR: TO -2-2 Series	*									
A12.3.13. Shock Strut Seal Replacement										
A12.3.14. Reseal Nose Gear Trunion Swivel										
A12.3.15. Remove Components										
A12.3.15.1. Main Gear Actuator										
A12.3.15.2. Main Gear Door Actuator										
A12.3.15.3. Nose Gear Actuator										
A12.3.15.4. Gear Selector Valve										
A12.3.15.5. Gear Sequence Valve										
A12.3.15.6. Nose Gear Door Control Valve										
A12.3.16. Install Components										
A12.3.16.1 Main Gear Actuator										
A12.3.16.2. Main Gear Door Actuator										
A12.3.16.3. Nose Gear Actuator										
A12.3.16.4. Gear Selector Valve										
A12.3.16.5. Gear Sequence Valve										
A12.3.16.6. Nose Gear Door Control Valve										
A12.4. NOSE WHEEL STEERING SYSTEM AND COMPONENTS TR: TO -2-7 Series										
A12.4.1. Operational Fundamentals										
A12.4.2. Perform Operational Check	*									
A12.4.3. Inspect System	*									
A12.4.4. Steering System Checkout And Bleeding										
A12.4.5. Troubleshoot System	*									
A12.4.6. Remove Components										
A12.4.6.1. Steering Actuator										
A12.4.6.2. Steering Actuator Seal										
A12.4.6.3. Steering Metering Valve										
A12.4.7. Install Components										
A12.4.7.1. Steering Actuator										
A12.4.7.2. Steering Actuator Seal										
A12.4.7.3. Steering Metering Valve										
A12.5. WHEEL BRAKE SYSTEM AND COMPONENTS TR: TO -2-7 Series										
A12.5.1. Operational Fundamentals										
A12.5.2. Perform Operational Check	*									
A12.5.3. Inspect System	*									

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1. Tasks, Knowledge And Technical References	2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/ Information Provided (See Attachment 1)		
	A	B	A	B	C	D	E	A 3 Level	B 5-Level	C 7 Level
	5	7	Tng Start	Tng Comp	Trainee Initials	Trainer Initials	Certifier Initials	Course	CDC	(1) Course (2) CDC
A12.5.4 Troubleshoot System	*									
A12.5.5. Break Wear Check	*									
A12.5.6. Bleed Brake System	*									
A12.5.7. Service Reserve Brake Accumulator										
A12.5.8. Remove Components										
A12.5.8.1. Brake Assembly										
A12.5.8.2. Reserve Brake Accumulator										
A12.5.8.3. Brake Deboost Valve										
A12.5.8.4. Anti-Skid Control Valve										
A12.5.9. Install Components										
A12.5.9.1. Brake Assembly										
A12.5.9.2. Reserve Brake Accumulator										
A12.5.9.3. Brake Deboost Valve										
A12.5.9.4. Anti-Skid Control Valve										
A12.6. FLIGHT CONTROL SYSTEMS AND COMPONENTS										
TR: TO 2-8 Series										
A12.6.1. SPOILER SYSTEM										
A106.1.1 Operational Fundamentals										
A12.6.1.2 .Perform Operational Check	*									
A12.6.1.3. Inspect System		*								
A12.6.1.4. Troubleshoot System		*								
A12.6.1.5. Remove Components										
A12.6.1.5.1. Spoiler Actuator										
A12.6.1.5.2. Spoiler Swivel Joints										
A12.6.1.5.3. Spoiler Bypass Valve										
A12.6.1.5.4. Spoiler Control Valve										
A12.6.1.6. Install Components										
A12.6.1.6.1. Spoiler Actuator										
A12.6.1.6.2. Spoiler Swivel Joints										
A12.6.1.6.3. Spoiler Bypass Valve										
A12.6.1.6.4. Spoiler Control Valve										
A12.6.2. WING FLAP SYSTEM										
A12.6.2.1. Operational Fundamentals										
A12.6.2.2. Perform Operational Check	*									
A12.6.2.3. Inspect System		*								
A12.6.2.4. Troubleshoot System		*								
A12.6.2.5. Remove Components										
A12.6.2.5.1. Leading Edge Flap Hydraulic Actuator										
A12.6.2.5.2. Wing Flap Control Valve										
A12.6.2.5.3. Main Wing Flap Control Valve Filter Element										

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	2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/ Information Provided (See Attachment 1)		
	A	B	A	B	C	D	E	A 3 Level	B 5-Level	C 7 Level
	5	7	Tng Start	Tng Comp	Trainee Initials	Trainer Initials	Certifier Initials	Course	CDC	(1) Course (2) CDC
1. Tasks, Knowledge And Technical References										
A12.6.2.6. Install Components										
A12.6.2.6.1. Leading Edge Flap Hydraulic Actuator										
A12.6.2.6.2. Wing Flap Control Valve										
A12.6.2.6.3 Main Wing Flap Control Valve Filter Element										
A12.6.3. RUDDER CONTROL SYSTEM										
A12.6.3.1. Operational Fundamentals										
A12.6.3.2. Perform Operational Check	*									
A12.6.3.3. Inspect System		*								
A12.6.3.4. Troubleshoot System		*								
A12.6.3.5. Service Rudder Accumulator										
A12.6.3.6. Remove Components										
A12.6.3.6.1. Power Control Unit										
A12.6.3.6.2. Rudder Accumulator										
A12.6.3.6.3. Rudder Pressure Transmitter										
A12.6.3.7. Install Components										
A12.6.3.7.1. Power Control Unit										
A12.6.3.7.2. Rudder Accumulator										
A12.6.3.7.3. Rudder Pressure Transmitter										
A12.7. COPILOT'S INSTRUMENT POWER SYSTEM										
TR: -2-10 Series										
A12.7.1. Operational Fundamentals										
A12.7.2. Perform Operational Check	*									
A12.7.3. Inspect System		*								
A12.7.4. Troubleshoot System		*								
A12.7.5. Remove Components										
A12.7.5.1. Power Generator Control Valve										
A12.7.5.2. Power Generator Motor/Pump										
A12.7.6. Install Components										
A12.7.6.1. Power Generator Control Valve										
A12.7.6.2. Power Generator Motor/Pump										
A12.8. INFILIGHT REFUELING SYSTEM AND COMPONENTS										
TR: TO -2-6 Series										
A12.8.1. AIR REFUELING BOOM										
A12.8.1.1. Operational Fundamentals										
A12.8.1.2. Perform Operational Check	*									
A12.8.1.3. Inspect System		*								
A12.8.1.4. Air Refueling Boom Nozzle Assembly Checkout										
A12.8.1.5. Adjust Boom Cable Tension										
A12.8.1.6. Troubleshoot System		*								
A12.8.1.7. Remove Components										

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	2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/ Information Provided (See Attachment 1)		
	A	B	A	B	C	D	E	A 3 Level	B 5-Level	C 7 Level
	5	7	Tng Start	Tng Comp	Trainee Initials	Trainer Initials	Certifier Initials	Course	CDC	(1) Course (2) CDC
1. Tasks, Knowledge And Technical References										
A12.8.1.7.1. Boom Fork Assembly										
A12.8.1.7.2. Boom Surge Boot										
A12.8.1.7.3. Boom Sliding Gland Seal Assembly										
A12.8.1.7.4. Boom Hoist Cable										
A12.8.1.7.5. Boom Recoil Assembly										
A12.8.1.7.6. Boom Brushes										
A12.8.1.7.7. Boom Chain And Cable Assembly										
A12.8.1.7.8. Ring Spring Assembly										
A12.8.1.7.9. Disassemble Boom Fork Assembly										
A12.8.1.7.10. Boom Assembly										
A12.8.1.7.11. Boom Nozzle Assembly										
A12.8.1.8. Install Components										
A12.8.1.8.1. Boom Fork Assembly										
A12.8.1.8.2. Boom Surge Boot										
A12.8.1.8.3. Boom Sliding Gland Seal Assembly										
A12.8.1.8.4. Boom Hoist Cable										
A12.8.1.8.5. Boom Recoil Assembly										
A12.8.1.8.6. Boom Brushes										
A12.8.1.8.7. Boom Chain And Cable Assembly										
A12.8.1.8.8. Ring Spring Assembly										
A12.8.1.8.9. Reassemble Boom Fork Assembly										
A12.8.1.8.10. Boom Assembly										
A12.8.1.8.11. Boom Nozzle Assembly										
A12.8.2. RUDDERVATOR CONTROL AND LOCK SYSTEM										
A12.8.2.1. Operational Fundamentals										
A12.8.2.2. Perform Operational Check										
A12.8.2.3. Inspect System										
A12.8.2.4. Troubleshoot System										
A12.8.2.5. Rig Ruddervator Control System										
A12.8.2.6. Rig Ruddervator Lock System										
A12.8.2.7. Remove Components										
A12.8.2.7.1. Ruddervator Torque Tube Bearings										
A12.8.2.7.2. Ruddervator Quadrant										
A12.8.2.8. Install Components										
A12.8.2.8.1. Ruddervator Torque Tube Bearings										
A12.8.2.8.2. Ruddervator Quadrant										
A12.8.3. BOOM STOWAGE LATCH CONTROL SYSTEM										
A12.8.3.1. Perform Operational Check	*									
A12.8.3.2. Inspect System	*									
A12.8.3.3. Troubleshoot System	*									

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1. Tasks, Knowledge And Technical References	2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/ Information Provided (See Attachment 1)		
	A	B	A	B	C	D	E	A 3 Level	B 5-Level	C 7 Level
	5	7	Tng Start	Tng Comp	Trainee Initials	Trainer Initials	Certifier Initials	Course	CDC	(1) Course (2) CDC
A12.8.4. BOOM INDICATING SYSTEM										
A12.8.4.1. Perform Operational Check	*									
A12.8.4.2. Inspect System	*									
A12.8.4.3. Troubleshoot System	*									
A12.8.4.4. Remove Components										
A12.8.4.4.1. Position Transmitters										
A12.8.4.4.2. Elevation Control Unit										
A12.8.4.4.3. Telescope Control Unit										
A12.8.4.4.4. Azimuth Control Units										
A12.8.4.5. Install Components										
A12.8.4.5.1. Position Transmitters										
A12.8.4.5.2. Elevation Control Unit										
A12.8.4.5.3. Telescope Control Unit										
A12.8.4.5.4. Azimuth Control Unit										
A12.8.5. AIR REFUELING ELECTRICAL SYSTEM										
A12.8.5.1. Signal System Checkout	*									
A12.8.5.2. Signal Coil Resistance Check	*									
A12.8.5.3. Receiver Pilot Director Light System Checkout	*									
A12.8.5.4. Fuel Dump Electrical System Checkout	*									
A12.8.5.5. Fuel Bypass Control Valve Switch Adjustment										
A12.8.5.6. Troubleshoot System	*									
A12.8.5.7. Remove Components										
A12.8.5.7.1. Fuel Dump Limit Switch										
A12.8.5.8. Install Components										
A12.8.5.8.1. Fuel Dump Limit Switch										
A12.8.6. AIR REFUELING HYDRAULIC SYSTEM										
A12.8.6.1. Perform Operational Check	*									
A12.8.6.2. Inspect System	*									
A12.8.6.3. Troubleshoot System	*									
A12.8.6.4. Remove Components										
A12.8.6.4.1. Sighting Door Control Valve										
A12.8.6.4.2. Boom Accumulator										
A12.8.6.4.3. Fuel Bypass Control Valve										
A12.8.6.4.4. Fuel Dump Actuator										
A12.8.6.4.5. Sighting Door Actuator										
A12.8.6.4.6. Telescope Control Valve										
A12.8.6.4.7. Ruddervator Power Control Unit										
A12.8.6.4.8. Ruddervator Power Unit Filter Element										
A12.8.6.5. Install Components										
A12.8.6.5.1. Sighting Door Control Valve										

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	2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/ Information Provided (See Attachment 1)		
	A	B	A	B	C	D	E	A 3 Level	B 5-Level	C 7 Level
	5	7	Tng Start	Tng Comp	Trainee Initials	Trainer Initials	Certifier Initials	Course	CDC	(1) Course (2) CDC
1. Tasks, Knowledge And Technical References										
A12.8.6.5.2. Boom Accumulator										
A12.8.6.5.3. Fuel Bypass Control Valve										
A12.8.6.5.4. Fuel Dump Actuator										
A12.8.6.5.5. Sighting Door Actuator										
A12.8.6.5.6. Telescope Control Valve										
A12.8.6.5.7. Ruddervator Power Control Unit										
A12.8.6.5.8. Ruddervator Power Unit Filter Element										
A12.8.7. AIR REFUELING SUPPLY AND FUEL DUMPING										
A12.8.7.1. Perform Operational Check										
A12.8.7.2. Boom Fuel Flowmeter System Checkout										
A12.8.7.3. Troubleshoot System										
A12.8.7.4. Remove Components										
A12.8.7.4.1. Boom Fuel Flowmeter Transmitter										
A12.8.7.4.2. Flowmeter Power Supply										
A12.8.7.5. Install Components										
A12.8.7.5.1. Boom Fuel Flowmeter Transmitter										
A12.8.7.5.2. Flowmeter Power Supply										
A12.8.8. AIR REFUELING RECEIVER (ARR) SYSTEM										
A12.8.8.1. Perform Operational Check	*									
A12.8.8.2. Inspect system		*								
A12.8.8.3. Troubleshoot System		*								
A12.8.8.4. Refuel Manifold Pressure Checkout										
A12.8.8.5. Adjust Slipway Door Hydraulic Motor										
A12.8.8.6. Adjust Slipway Door Limit Switch(es)										
A12.8.8.7. Service Accumulator										
A12.8.8.8. Remove Components										
A12.8.8.8.1. Manifold										
A12.8.8.8.2. Receptacle Sliding Valve										
A12.8.8.8.3. Slipway Door Control Valve										
A12.8.8.8.4. Slipway Door Hydraulic Motor										
A12.8.8.8.5. Slipway Door Limit Switch(es)										
A12.8.8.8.6. Accumulator										
A12.8.8.8.7. Slipway Door Shuttle Valve										
A12.8.8.9. Install Components										
A12.8.8.9.1. Manifold										
A12.8.8.9.2. Receptacle Sliding Valve										
A12.8.8.9.3. Slipway Door Control Valve										
A12.8.8.9.4. Slipway Door Hydraulic Motor										
A12.8.8.9.5. Slipway Door Limit Switch(S)										
A12.8.8.9.6. Accumulator										

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1. Tasks, Knowledge And Technical References	2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/ Information Provided (See Attachment 1)		
	A	B	A	B	C	D	E	A 3 Level	B 5-Level	C 7 Level
	5	7	Tng Start	Tng Comp	Trainee Initials	Trainer Initials	Certifier Initials	Course	CDC	(1) Course (2) CDC
A12.8.8.9.7. Slipway Door Shuttle Valve										
A12.9. CARGO DOOR SYSTEM AND COMPONENTS TR: TO -2-1 Series										
A12.9.1. Operational Fundamentals										
A12.9.2. Perform Operational Check	*									
A12.9.3. Inspect System		*								
A12.9.4. Troubleshoot System		*								
A12.9.5. Remove Components										
A12.9.5.1. Cargo Door Actuator										
A12.9.5.2. Cargo Door Pump										
A12.9.6. Install Components										
A12.9.6.1. Cargo Door Actuator										
A12.9.6.2. Cargo Door Pump										
A12.10. QUICK START APU SYSTEM TR: TO 2-26 SERIES										
A12.10.1. Perform Operational Check	*									
A12.10.2. Inspect System		*								
A12.10.3. Bleed System										
A12.10.4. Remove Components										
A12.10.4.1. Accumulator										
A12.10.4.2. Isolation Valve										
A12.10.4.3. Apu Hydraulic Manifold										
A12.10.5. Install Components										
A12.10.5.1. Accumulator										
A12.10.5.2. Isolation Valve										
A12.10.5.3. Apu Hydraulic Manifold										
A12.11. MULTI-POINT REFUELING SYSTEM TR: TO -2-6 Series; 28-80 Series										
A12.11.1. Operational Fundamentals										
A12.11.2. Perform Operational Check	*									
A12.11.3. Inspect System		*								
A12.11.4. Troubleshoot System		*								
A12.11.5. Built In Test (Bite) Check	*									
A12.11.6. Pod Draining TR: 28-88-30										
A12.11.7. Trailing And Retracting Supervisor Tr: 28-87-00										
A12.11.8. Trailing And Retracting Team Member Tr: 28-87-00										
A12.11.9. POD SCHEDULED INSPECTIONS TR: 28-87 Series										

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1. Tasks, Knowledge And Technical References	2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/ Information Provided (See Attachment 1)		
	A	B	A	B	C	D	E	A 3 Level	B 5-Level	C 7 Level
	5	7	Tng Start	Tng Comp	Trainee Initials	Trainer Initials	Certifier Initials	Course	CDC	(1) Course (2) CDC
A12.11.9.1. Cyclic										
A12.11.9.2. Before Flight (Preflight, 2B)										
A12.11.9.3. After Flight (2A)										
A12.11.9.4. Home Station Check (HSC)										
A12.11.9.5. Pod Fault Diagnosis										
A12.11.10. Remove Components										
A12.11.10.1. Refueling Pod										
A12.11.10.2. Pylon										
A12.11.10.3. Rear Fairing										
A12.11.10.4. Hinged Nose Fairing										
A12.11.10.5. Hose										
A12.11.10.6. Hose Jettison Unit										
A12.11.10.7. Coupling										
A12.11.10.8. Drogue										
A12.11.10.9. Intercostal										
A12.11.10.10. Ram Air Turbine (Rat)										
A12.11.10.11. Dummy Spinner Cone										
A12.11.10.12. Digital Refueling Control Unit (Drcu)										
A12.11.10.13. Power Supply										
A12.11.10.14. Motor Drive Unit										
A12.11.10.15. Hose Position Sensor										
A12.11.10.16. Dc Motor										
A12.11.10.17. Parking Brake (Linear Actuator)										
A12.11.10.18. Pawl Assembly (Parking Brake)										
A12.11.10.19. Hose Drum Drive Unit										
A12.11.10.20. Gear Box Assembly										
A12.11.10.21. Tensator Drive										
A12.11.10.22. Fuel Pump										
A12.11.10.23. Vane Pump										
A12.11.10.24. Control Valve										
A12.11.11. Install Components										
A12.11.11.1. Refueling Pod										
A12.11.11.2. Pylon										
A12.11.11.3. Rear Fairing										
A12.11.11.4. Hinged Nose Fairing										
A12.11.11.5. Hose										
A12.11.11.6. Hose Jettison Unit										
A12.11.11.7. Coupling										
A12.11.11.8. Drogue										
A12.11.11.9. Intercostal										

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1. Tasks, Knowledge And Technical References	2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/ Information Provided (See Attachment 1)		
	A	B	A	B	C	D	E	A 3 Level	B 5-Level	C 7 Level
	5	7	Tng Start	Tng Comp	Trainee Initials	Trainer Initials	Certifier Initials	Course	CDC	(1) Course (2) CDC
A12.11.11.10. Ram Air Turbine (Rat)										
A12.11.11.11. Dummy Spinner Cone										
A12.11.11.12. Digital Refueling Control Unit (Drcu)										
A12.11.11.13. Power Supply										
A12.11.11.14. Motor Drive Unit										
A12.11.11.15. Hose Position Sensor										
A12.11.11.16. Dc Motor										
A12.11.11.17. Parking Brake (Linear Actuator)										
A12.11.11.18. Pawl Assembly (Parking Brake)										
A12.11.11.19. Hose Drum Drive Unit										
A12.11.11.20. Gear Box Assembly										
A12.11.21. Tensator Drive										
A12.11.22. Fuel Pump										
A12.11.23. Vane Pump										
A12.11.24. Control Valve										
A12.12. DROGUE BDA TR: TO -2-6 Series										
A12.12.1. Operational Fundamentals										
A12.12.2. Perform Operational Check	*									
A12.12.3. Inspect System		*								
A12.12.4. Troubleshoot System		*								
A12.12.5. Remove Components										
A12.12.5.1. Drogue Adapter										
A12.12.6. Install Components										
A12.12.6.1. Drogue Adapter										
A12.13. INSPECT/OVERHAUL/BENCH CHECK EQUIPMENT										
A12.13.1. Repair/Overhaul Accumulator TR: TO 9H1 Series	*									
A12.13.2. Bench Check Accumulator TR: TO 9H1 Series	*									
A12.13.3. Repair/Overhaul Brake Assembly TR: TO 4B1-4-264	*									
A12.13.4. Bench Check Brake Assembly TR: TO 4B1-4-264	*									
A12.13.5. Repair/Overhaul Deboost Valve TR: TO 4BA6-6-3										
A12.13.6. Bench Check Deboost Valve TR: TO 4BA6-6-3										
A12.13.7. Repair/Overhaul Boom Nozzle Assembly TR: TO 6A5-3-13										

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1. Tasks, Knowledge And Technical References	2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/ Information Provided (See Attachment 1)		
	A	B	A	B	C	D	E	A 3 Level	B 5-Level	C 7 Level
	5	7	Tng Start	Tng Comp	Trainee Initials	Trainer Initials	Certifier Initials	Course	CDC	(1) Course (2) CDC
A12.13.8. Bench Check Boom Nozzle Assembly TR: TO 6A5-3-13										
A12.13.9. Repair/Overhaul Spoiler Actuator TR: TO 9H2-5-90-3										
A12.13.10. Bench Check Spoiler Actuator TR: TO 9H2-5-90-3										
A12.13.11. Repair/Overhaul MLG Door Actuator TR: TO 9H2-2-30-3										
A12.13.12. Bench Check MLG Door Actuator TR: TO 9H2-2-30-3										
A12.13.13. Repair/Overhaul Landing Edge Flap Actuator TR: TO 9H2-4-104-3										
A12.13.14. Bench Check Landing Edge Flap Actuator TR: TO 9H2-4-104-3										
A12.13.15. Repair/Overhaul Control Valve TR: TO 9H8 Series	*									
A12.13.16. Bench Check Control Valve TR: TO 9H8 Series	*									
A12.13.17. Repair/Overhaul Boom Drogue Adapter Kit TR: TO 6A17 Series										
A12.13.18. Bench Check Boom Drogue Adapter Kit TR: TO 6A17 Series										
A12.13.19. Repair/Overhaul Shut-Off Valve TR: TO 6R9 Series	*									
A12.13.20. Bench Check Shut-Off Valve TR: TO 6R9 Series	*									
A12.13.21. Repair/Overhaul Actuators TR: TO 9H2 Series										
A12.13.22. Bench Check Actuators TR: TO 9H2 Series										
A12.13.23. Repair/Overhaul Hydraulic Fuse TR: 9H8 Series										
A12.13.24. Bench Check Hydraulic Fuse TR: 9H8 Series										
A12.13.25. Repair/Overhaul Relief Valves TR: 9H8 Series										
A12.13.26. Bench Check Relief Valves TR: 9H8 Series										
A12.13.27. Repair/Overhaul MLG Actuator (Walking Beam) TR: TO 9H2-2-34-3										

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1. Tasks, Knowledge And Technical References	2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/ Information Provided (See Attachment 1)		
	A	B	A	B	C	D	E	A 3 Level	B 5-Level	C 7 Level
	5	7	Tng Start	Tng Comp	Trainee Initials	Trainer Initials	Certifier Initials	Course	CDC	(1) Course
A12.13.28. Bench Check MLG Actuator (Walking Beam) TR: TO 9H2-2-34-3										

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1. Tasks, Knowledge And Technical References	2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/ Information Provided (See Attachment 1)		
	A	B	A	B	C	D	E	A 3 Level	B 5-Level	C 7 Level
	5	7	Tng Start	Tng Comp	Trainee Initials	Trainer Initials	Certifier Initials	Course	CDC	(1) Course (2) CDC

ATTACHMENT 13 (C-141 TRAINING REQUIREMENTS)

NOTE 1: The following core tasks listed in attachment 13 are in addition to those in attachment 2.

NOTE 2: Tasks and knowledge listed in attachment 13 will be used in conjunction with attachment 2 by C-141 personnel for upgrade requirements.

NOTE 3: Users are responsible for annotating training references to identify current references pending STS revision.

NOTE 4: Address comments and recommended changes through the MAJCOM Functional Manager (DSN 779-2630) to the AETC Training Manager (DSN 736-2772)

A13.1.	AIRCRAFT GROUND HANDLING TR: TO 2-07JG, 2-09JG, 2-10JG, 2-12JG, 2-23JG									
A13.1.1.	Jack or level aircraft									
A13.1.1.1.	Safety									
A13.1.1.2.	Manual									
A13.1.1.3.	Manifold									
A13.1.1.4.	Perform jacking team member duties									
A13.1.2.	Ground aircraft or equipment	*								
A13.1.3.	Lubricate aircraft									
A13.1.4.	Tow or move aircraft									
A13.1.5.	Perform wing/tail walker duties									
A13.1.6.	Install and remove ground safety devices	*								
A13.1.7.	Perform refuel/defuel team member duties									
A13.1.8.	Open and close engine cowling	*								
A13.1.9.	Remove/install aircraft access panels	*								
A13.1.10.	Use interphone	*								
A13.1.11.	Marshall aircraft									
A13.1.12.	Perform aircraft egress	*								
A13.1.13.	Foreign object damage (FOD)/dropped object prevention program (DOPP) in and around aircraft	*								
A13.1.14.	Apply/disconnect external electrical power	*								
A13.1.15.	Apply/disconnect external hydraulic power	*								
A13.2.	MAIN HYDRAULIC POWER SYSTEM TR: TO 1C-141B-2-29 series									
A13.2.1.	Operational fundamentals									
A13.2.2.	Inspect system		*							
A13.2.3.	Perform operational check	*								
A13.2.4.	Troubleshoot system		*							
A13.2.5.	Flush hydraulic system									
A13.2.6.	Service and drain reservoir	*								
	TR: TO 1C-141B-2-12JG-10-1									
A13.2.7.	Service accumulators	*								
	TR: TO 1C-141B-2-12JG-10-1									
A13.2.8.	Remove components									
A13.2.8.1.	LRUs (i.e., check valves, filters, pressure switches)									

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1. Tasks, Knowledge And Technical References	2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/ Information Provided (See Attachment 1)		
	A	B	A	B	C	D	E	A 3 Level	B 5-Level	C 7 Level
	5	7	Tng Start	Tng Comp	Trainee Initials	Trainer Initials	Certifier Initials	Course	CDC	(1) Course (2) CDC
A13.2.8.2. Hydraulic pump (#3 system pump)	*									
A13.2.8.3. Filter assembly										
A13.2.8.4. Filter element	*									
A13.2.8.5. Engine suction shutoff valve										
A13.2.8.6. Press shutoff valve										
A13.2.8.7. Hydraulic driven suction boost pump										
A13.2.8.8. Hydraulic driven suction boost pump motor										
A13.2.8.9. Electric suction boost pump										
A13.2.8.10. Engine driven pump										
A13.2.8.11. Interconnect valves										
A13.2.8.12. Accumulators	*									
A13.2.9. Install components										
A13.2.9.1. LRUs (i.e., check valves, filters, pressure switches)										
A13.2.9.2. Hydraulic pump (#3 system pump)	*									
A13.2.9.3. Filter assembly										
A13.2.9.4. Filter element	*									
A13.2.9.5. Engine suction shutoff valve										
A13.2.9.6. Press shutoff valve										
A13.2.9.7. Hydraulic driven suction boost pump										
A13.2.9.8. Hydraulic driven suction boost pump motor										
A13.2.9.9. Electric suction boost pump										
A13.2.9.10. Engine driven pump										
A13.2.9.11. Interconnect valves										
A13.2.9.12. Accumulators	*									
A13.3. EMERGENCY GENERATOR SYSTEM TR: TO 1C-141B-2-24 series										
A13.3.1. Operational fundamentals										
A13.3.2. Inspect system	*									
A13.3.3. Perform operational check	*									
A13.3.4. Troubleshoot system	*									
A13.3.5. Remove components										
A13.3.5.1. Emergency generator motor and associated components										
A13.3.6. Install components										
A13.3.6.1. Emergency generator motor and associated components										
A13.4. AUXILIARY POWER UNIT (APU) START SYSTEM TR: TO 1C-141B-2-49 series										
A13.4.1. Operational fundamentals										
A13.4.2. Inspect system	*									
A13.4.3. Perform operational check										
A13.4.4. Troubleshoot system		*								

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	2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/ Information Provided (See Attachment 1)		
	A	B	A	B	C	D	E	A 3 Level	B 5-Level	C 7 Level
	5	7	Tng Start	Tng Comp	Trainee Initials	Trainer Initials	Certifier Initials	Course	CDC	(1) Course (2) CDC
1. Tasks, Knowledge And Technical References										
A13.4.5. Remove components										
A13.4.5.1. APU start selector valve/#3 system bypass valve										
A13.4.5.2. APU start motor										
A13.4.6. Install components										
A13.4.6.1. APU start selector valve/#3 system bypass valve										
A13.4.6.2. APU start motor										
A13.5. MAIN LANDING GEAR (MLG) AND NOSE LANDING (NLG) SYSTEMS TR: TO 1C-141B-2-32 series										
A13.5.1. Operational fundamentals of MLG and NLG extension and retraction										
A13.5.2. Inspect MLG strut and hydraulic actuating components	*									
A13.5.3. Inspect NLG strut and hydraulic actuating components	*									
A13.5.4. Perform MLG Normal extension operational check (Position A)	*									
A13.5.5. Assist MLG Normal extension operational check (Position B, C)	*									
A13.5.6. A) Perform MLG Emergency extension operational check										
A13.5.7. Assist MLG Emergency extension operational check (Position B, C)										
A13.5.8. Perform NLG Normal extension operational check (Position A)	*									
A13.5.9. Assist NLG Normal extension operational check (Position B, C)	*									
A13.5.10. Perform NLG Emergency extension operational check (Position A)										
A13.5.11. Assist NLG Emergency extension operational check (Position B, C)										
A13.5.12. Troubleshoot systems	*									
A13.5.13. Reseal MLG shock strut										
A13.5.14. Reseal NLG shock strut										
A13.5.15. Service MLG struts TR: TO 1C-141B-2-12JG-10-1	*									
A13.5.16. Service NLG struts TR: TO 1C-141B-2-12JG-10-1	*									
A13.5.17. Service MLG axle beam positioner cylinder and air tank TR: TO 1C-141B-2-12JG-10-1	*									
A13.5.18. Remove components										
A13.5.18.1. LRUs (i.e., fuses, swivels, hoses, etc.)										
A13.5.18.2. MLG hydraulic control valves										

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1. Tasks, Knowledge And Technical References	2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/ Information Provided (See Attachment 1)		
	A	B	A	B	C	D	E	A 3 Level	B 5-Level	C 7 Level
	5	7	Tng Start	Tng Comp	Trainee Initials	Trainer Initials	Certifier Initials	Course	CDC	(1) Course (2) CDC
A13.5.18.3. NLG hydraulic control valves										
A13.5.18.4. MLG uplock actuator and associated hardware										
A13.5.18.5. MLG downlock actuator										
A13.5.18.6. NLG downlock/uplock actuator										
A13.5.18.7. MLG flapper actuator										
A13.5.18.8. MLG retract hydraulic actuator										
A13.5.18.9. NLG retract hydraulic actuator										
A13.5.18.10. MLG axle beam positioner cylinder										
A13.5.19. Install components										
A13.5.19.1. LRUs (i.e., fuses, swivels, hoses, etc.)										
A13.5.19.2. MLG hydraulic control valves										
A13.5.19.3. NLG hydraulic control valves										
A13.5.19.4. MLG uplock actuator and associated hardware										
A13.5.19.5. MLG downlock actuator										
A13.5.19.6. NLG downlock/uplock actuator										
A13.5.19.7. MLG flapper actuator										
A13.5.19.8. MLG retract hydraulic actuator										
A13.5.19.9. NLG retract hydraulic actuator										
A13.5.19.10. MLG axle beam positioner cylinder										
A13.6. NOSE WHEEL STEERING SYSTEM TR: TO 1C-141B-2-32 series										
A13.6.1. Operational fundamentals										
A13.6.2. Perform operational check	*									
A13.6.3. Inspect system	*									
A13.6.4. Troubleshoot system	*									
A13.6.5. Remove components										
A13.6.5.1. Nose wheel and rudder pedal steering LRUs (i.e., check valve restrictions)										
A13.6.5.2. Nose landing gear steering actuator										
A13.6.5.3. Nose landing gear rudder pedal steering actuator										
A13.6.5.4. Nose landing gear rudder pedal steering shut off valve										
A13.6.6. Install components										
A13.6.6.1. Nose wheel and rudder pedal steering LRUs (i.e., check valve restrictions)										
A13.6.6.2. Nose landing gear steering actuator										
A13.6.6.3. Nose landing gear rudder pedal steering actuator										
A13.6.6.4. Nose landing gear rudder pedal steering shut off valve										
A13.7. MAIN LANDING GEAR BRAKES AND ANTI-SKID TR: TO 1C-141B-2-32 series										
A13.7.1. Operational fundamentals (Normal/Emergency)										

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	2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/ Information Provided (See Attachment 1)		
	A	B	A	B	C	D	E	A 3 Level	B 5-Level	C 7 Level
	5	7	Tng Start	Tng Comp	Trainee Initials	Trainer Initials	Certifier Initials	Course	CDC	(1) Course (2) CDC
1. Tasks, Knowledge And Technical References										
A13.7.2. Perform operational check	*									
A13.7.3. Inspect system		*								
A13.7.4. Troubleshoot system (i.e., valves)		*								
A13.7.5. Bleed system	*									
A13.7.6. Remove components										
A13.7.6.1. LRUs (i.e., fuses, swivels, hoses, etc.)										
A13.7.6.2. MLG Brake Assembly										
A13.7.6.3. Anti-skid valves										
A13.7.6.4. Emergency/Normal brake selector valve										
A13.7.6.5. Brake main metering valve										
A13.7.6.6. Pilot brake metering valve										
A13.7.7. Install components										
A13.7.7.1. LRUs (i.e., fuses, swivels, hoses, etc.)										
A13.7.7.2. MLG Brake Assembly										
A13.7.7.3. Anti-skid valves										
A13.7.7.4. Emergency/Normal brake selector valve										
A13.7.7.5. Brake main metering valve										
A13.7.7.6. Pilot brake metering valve										
A13.8. PRIMARY FLIGHT CONTROLS										
TR: TO 1C-141B-2-27 series										
A13.8.1. AILERONS										
A13.8.1.1. Operational fundamentals										
A13.8.1.2. Perform operational check		*								
A13.8.1.3. Inspect system	*									
A13.8.1.4. Troubleshoot system	*									
A13.8.1.5. Remove components										
A13.8.1.5.1. LRUs (i.e., pressure switches, solenoids, hoses, etc.)										
A13.8.1.5.2. Aileron power control unit										
A13.8.1.6. Install components										
A13.8.1.6.1. LRUs (i.e., pressure switches, solenoids, hoses, etc.)										
A13.8.1.6.2. Aileron power control unit										
A13.8.2. ELEVATORS										
A13.8.2.1. Operational fundamentals										
A13.8.2.2. Perform operational check	*									
A13.8.2.3. Inspect system	*									
A13.8.2.4. Troubleshoot system	*									
A13.8.2.5. Remove components										
A13.8.2.5.1. LRUs (i.e., pressure switches, solenoids, hoses, etc.)										
A13.8.2.5.2. Elevator power control unit										
A13.8.2.6. Install components										

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	2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/ Information Provided (See Attachment 1)		
	A	B	A	B	C	D	E	A 3 Level	B 5-Level	C 7 Level
	5	7	Tng Start	Tng Comp	Trainee Initials	Trainer Initials	Certifier Initials	Course	CDC	(1) Course (2) CDC
1. Tasks, Knowledge And Technical References										
A13.8.2.6.1. LRUs (i.e., pressure switches, solenoids, hoses, etc.)										
A13.8.2.6.2. Elevator power control unit										
A13.8.3. RUDDER										
A13.8.3.1. Operational fundamentals										
A13.8.3.2. Perform operational check	*									
A13.8.3.3. Inspect system		*								
A13.8.3.4. Troubleshoot system		*								
A13.8.3.5. Remove components										
A13.8.3.5.1. LRUs (i.e., pressure switches, solenoids, hoses, etc.)										
A13.8.3.5.2. Rudder power control unit										
A13.8.3.6. Install components										
A13.8.3.6.1. LRUs (i.e., pressure switches, solenoids, hoses, etc.)										
A13.8.3.6.2. Rudder power control unit										
A13.9. SECONDARY FLIGHT CONTROL SYSTEMS										
TR: TO 1C-141B-2-27 series										
A13.9.1. FLAPS										
A13.9.1.1. Operational fundamentals										
A13.9.1.2. Perform operational check	*									
A13.9.1.3. Inspect system		*								
A13.9.1.4. Troubleshoot system		*								
A13.9.1.5. Null flap pack control valve TR: 16G1-119-3										
A13.9.1.6. Remove components										
A13.9.1.6.1. LRUs (i.e., pressure switches, solenoids, hoses, etc.)										
A13.9.1.6.2. Flap pack drive gearbox assembly										
A13.9.1.6.3. Flap pack control valve										
A13.9.1.7. Install components										
A13.9.1.7.1. LRUs (i.e., pressure switches, solenoids, hoses, etc.)										
A13.9.1.7.2. Flap pack drive gearbox assembly										
A13.9.1.7.3. Flap pack control valve										
A13.9.2. PITCH TRIM										
A13.9.2.1. Operational fundamentals										
A13.9.2.2. Perform operational check	*									
A13.9.2.3. Inspect system		*								
A13.9.2.4. Troubleshoot system		*								
A13.9.2.5. Remove components										
A13.9.2.5.1. LRUs (i.e., pressure switches, solenoids, hoses, etc.)										
A13.9.2.5.2. Pitch trim control valve										
A13.9.2.5.3. Pitch trim hydraulic motor										
A13.9.2.5.4. Pitch trim arming actuator										
A13.9.2.6. Install components										

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1. Tasks, Knowledge And Technical References	2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/ Information Provided (See Attachment 1)		
	A	B	A	B	C	D	E	A 3 Level	B 5-Level	C 7 Level
	5	7	Tng Start	Tng Comp	Trainee Initials	Trainer Initials	Certifier Initials	Course	CDC	(1) Course (2) CDC
A13.9.2.6.1. LRU's (i.e., pressure switches, solenoids, hoses, etc.)										
A13.9.2.6.2. Pitch trim control valve										
A13.9.2.6.3. Pitch trim hydraulic motor										
A13.9.2.6.4. Pitch trim arming actuator										
A13.9.3. SPOILER										
A13.9.3.1. Operational fundamentals										
A13.9.3.2. Perform operational check	*									
A13.9.3.3. Inspect system		*								
A13.9.3.4. Troubleshoot system		*								
A13.9.3.5. Remove components										
A13.9.3.5.1. LRU's (i.e., pressure switches, solenoids, hoses, etc.)										
A13.9.3.5.2. Spoiler pack										
A13.9.3.5.3. Spoiler ground manual shut off valve										
A13.9.3.5.4. Spoiler cable servo actuator										
A13.9.3.6. Install components										
A13.9.3.6.1. LRU's (i.e., pressure switches, solenoids, hoses, etc.)										
A13.9.3.6.2. Spoiler pack										
A13.9.3.6.3. Spoiler ground manual shut off valve										
A13.9.3.6.4. Spoiler cable servo actuator										
A13.10. CARGO DOOR AND RAMP SYSTEM TR: TO 1C-141B-2-52 series										
A13.10.1. Operational fundamentals										
A13.10.2. Perform operational check	*									
A13.10.3. Inspect system		*								
A13.10.4. Troubleshoot system		*								
A13.10.5. Operate aft cargo door and ramp system	*									
A13.10.6. Remove components										
A13.10.6.1. Ramp actuator										
A13.10.6.2. Ramp lock actuator										
A13.10.6.3. Pressure door actuator										
A13.10.6.4. Aft cargo door selector valve										
A13.10.6.5. Pressure door lock actuator										
A13.10.6.6. Petal door gear box assembly										
A13.10.6.7. Petal door lock actuator										
A13.10.7. Install components										
A13.10.7.1. Ramp actuator										
A13.10.7.2. Ramp lock actuator										
A13.10.7.3. Pressure door actuator										
A13.10.7.4. Aft cargo door selector valve										
A13.10.7.5. Pressure door lock actuator										

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1. Tasks, Knowledge And Technical References	2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/ Information Provided (See Attachment 1)		
	A	B	A	B	C	D	E	A 3 Level	B 5-Level	C 7 Level
	5	7	Tng Start	Tng Comp	Trainee Initials	Trainer Initials	Certifier Initials	Course	CDC	(1) Course (2) CDC
A13.10.7.6. Petal door gear box assembly										
A13.10.7.7. Petal door lock actuator										
A13.11. INSPECT/OVERHAUL/BENCH CHECK EQUIPMENT										
A13.11.1. Bench check main landing gear wheel brake TR: 4B1-2-373	*									
A13.11.2. Repair/overhaul main landing gear wheel brake TR: 4B1-2-373	*									
A13.11.3. Bench check actuators TR: TO 9H2-3, 9H2-5 Series										
A13.11.4. Repair/overhaul actuators TR: TO 9H2-3, 9H2-5 Series	*									
A13.11.5. Bench check accumulators TR: TO 9H1-2 Series	*									
A13.11.6. Repair/overhaul accumulators TR: TO 9H1-2 Series	*									
A13.11.7. Bench check valves TR: TO 9H8-4, 9H8-14 Series	*									
A13.11.8. Repair/overhaul valves TR: TO 9H8-4, 9H8-14 Series										
A13.11.9. Bench check solenoid valves TR: TO 9H8-4, 9H8-14 Series										
A13.11.10. Repair/overhaul solenoid valves TR: TO 9H8-4, 9H8-14 Series										

E-3 TRAINING REQUIREMENTS

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1. Tasks, Knowledge And Technical References	2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/ Information Provided (See Attachment 1)		
	A	B	A	B	C	D	E	A 3 Level	B 5-Level	C 7 Level
	5	7	Tng Start	Tng Comp	Trainee Initials	Trainer Initials	Certifier Initials	Course	CDC	(1) Course (2) CDC

ATTACHMENT 14 (E-3 TRAINING REQUIREMENTS)

NOTE 1: The core tasks listed in Attachment 14 are in addition to those in Attachment 2.

NOTE 2: Tasks and knowledge listed in Attachment 14 will be used in conjunction with Attachment 2 by E-3 personnel for upgrade requirements.

NOTE 3: Users are responsible for annotating training references to identify current references pending STS revision.

NOTE 4: Address comments and recommended changes through ACC Functional Manager (DSN 574-1733) to the AETC Training Manager (DSN 736-2772)...

A14.1. HYDRAULIC POWER SYSTEMS TR: Applicable aircraft TOs										
	*							-	-	-
A14.1.1. Service components	*							-	-	-
A14.1.2. Perform operational check	*							-	-	-
A14.1.3. Remove components										
A14.1.3.1. Pumps								-	-	-
A14.1.3.2. Valves								-	-	-
A14.1.3.3. Filters								-	-	-
A14.1.3.4. Accumulators								-	-	-
A14.1.3.5. Indicating Devices								-	-	-
A14.1.4. Install components										
A14.1.4.1. Pumps	*							-	-	-
A14.1.4.2. Valves								-	-	-
A14.1.4.3. Filters								-	-	-
A14.1.4.4. Accumulators								-	-	-
A14.1.4.5. Indicating Devices	*							-	-	-
A14.2. LANDING GEAR SYSTEMS TR: Applicable aircraft TOs										
A14.2.1. Operational fundamentals	*							-	-	-
A14.2.2. Remove components										
A14.2.2.1. Actuators	*							-	-	-
A14.2.2.2. Valves	*							-	-	-
A14.2.3. Install components										
A14.2.3.1. Actuators								-	-	-
A14.2.3.2. Valves	*							-	-	-
A14.3. NOSE WHEEL STEERING SYSTEMS TR: Applicable Aircraft TOs										
A14.3.1. Operational fundamentals	*							-	-	-
A14.3.2. Remove components										
A14.3.2.1. Actuators	*							-	-	-
A14.3.2.2. Valves								-	-	-
A14.3.3. Install components										
A14.3.3.1. Actuators	*							-	-	-
A14.3.3.2. Valves	*							-	-	-
A14.3.4. Bleed system	*							-	-	-

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1. Tasks, Knowledge And Technical References	2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/ Information Provided (See Attachment 1)		
	A	B	A	B	C	D	E	A 3 Level	B 5-Level	C 7 Level
	5	7	Tng Start	Tng Comp	Trainee Initials	Trainer Initials	Certifier Initials	Course	CDC	(1) Course (2) CDC
A14.4. WHEEL BRAKE SYSTEM TR: Applicable aircraft TOs										
A14.4.1. Service components	*							-	-	-
A14.4.2. Remove components										
A14.4.2.1. Accumulators								-	-	-
A14.4.2.2. Valves								-	-	-
A14.4.2.3. Brake Assemblies								-	-	-
A14.4.3. Install components										
A14.4.3.1. Accumulators								-	-	-
A14.4.3.2. Valves								-	-	-
A14.4.3.3. Brake Assemblies	*							-	-	-
A14.5. FLIGHT CONTROL SYSTEMS TR: Applicable aircraft TOs										
A14.5.1. Operational fundamentals	*							-	-	-
A14.5.2. Remove components										
A14.5.2.1. Valves								-	-	-
A14.5.2.2. Swivels								-	-	-
A14.5.3. Install components										
A14.5.3.1. Valves								-	-	-
A14.5.3.2. Swivels	*							-	-	-
A14.5.4. Bleed flight control system	*							-	-	-
A14.5.5. Repair/Overhaul swivels								-	-	-
A14.5.6. Bench swivels								-	-	-
A14.6. AIR REFUELING RECEIVER SYSTEM TR: Applicable aircraft TOs										
A14.6.1. Operational fundamentals	*							-	-	-
A14.6.2. Service components	*							-	-	-
A14.6.3. Remove components										
A14.6.3.1. Actuators	*							-	-	-
A14.6.3.2. Valves	*							-	-	-
A14.6.4. Install components										
A14.6.4.1. Actuators	*							-	-	-
A14.6.4.2. Valves								-	-	-
A14.6.5. Bleed system								-	-	-

FIGHTER TRAINING REQUIREMENTS

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1. Tasks, Knowledge And Technical References	2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/Information Provided (See Attachment 1)		
	A	B	A	B	C	D	E	A 3 Level	B 5-Level	C 7 Level
	5	7	Tng Start	Tng Comp	Trainee Initials	Trainer Initials	Certifier Initials	Course	CDC	(1) Course (2) CDC

ATTACHMENT 15 (FIGHTER TRAINING REQUIREMENTS)

NOTE 1: The core tasks listed in Attachment 15 are in addition to those in Attachment 2.

NOTE 2: Tasks and knowledge listed in Attachment 15 will be used in conjunction with Attachment 2 by Fighter personnel for upgrade requirements.

NOTE 3: Users are responsible for annotating training references to identify current references pending STS revision.

NOTE 4: Address comments and recommended changes through ACC Functional Manager (DSN 574-1733) to the AETC Training Manager (DSN 736-2772)..

A15.1.	HYDRAULIC POWER SYSTEMS TR: Applicable aircraft TOs									
A15.1.1.	Repair/overhaul components									
A15.1.1.1.	Valves/Manifolds							-	-	-
A15.1.1.2.	Reservoirs							-	-	-
A15.1.1.3.	Accumulators							-	-	-
A15.1.2.	Bench check components									
A15.1.2.1	Valves							-	-	-
A15.1.2.2.	Reservoirs							-	-	-
A15.1.2.3.	Manifolds							-	-	-
A15.2.	LANDING GEAR SYSTEMS TR: Applicable aircraft TOs									
A15.2.1.	Repair/Overhaul components									
A15.2.1.1.	Actuators							-	-	-
A15.2.1.2.	Swivels							-	-	-
A15.2.1.3.	Struts							-	-	-
A15.2.2.	Bench check components									
A15.2.2.1.	Actuators							-	-	-
A15.2.2.2.	Swivels							-	-	-
A15.2.2.3.	Struts							-	-	-
A15.3.	WHEEL BRAKE SYSTEM TR: Applicable aircraft TOs									
A15.3.1.	Repair/Overhaul Brake Assemblies	*						-	-	-
A15.3.2.	Bench check Brake Assemblies	*						-	-	-
A15.4.	FLIGHT CONTROL SYSTEMS TR: Applicable aircraft TOs									
A15.4.1.	Repair/Overhaul components									
A15.4.1.1.	Boost Packs							-	-	-
A15.4.1.2.	Manifolds							-	-	-
A15.4.1.3.	PRCA/PDU							-	-	-
A15.4.2.	Bench check components									
A15.4.2.1.	Boost Packs							-	-	-
A15.4.2.2.	Manifolds							-	-	-
A15.4.2.3.	PRCA/PDU							-	-	-

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1. Tasks, Knowledge And Technical References	2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/ Information Provided (See Attachment 1)		
	A	B	A	B	C	D	E	A 3 Level	B 5-Level	C 7 Level
	5	7	Tng Start	Tng Comp	Trainee Initials	Trainer Initials	Certifier Initials	Course	CDC	(1) Course (2) CDC

ATTACHMENT 16 (KC-10 TRAINING REQUIREMENTS)

NOTE 1: The core tasks listed in Attachment 16 are in addition to those in Attachment 2.

NOTE 2: Tasks and knowledge listed in Attachment 16 will be used in conjunction with Attachment 2 by KC-10 personnel for upgrade requirements.

NOTE 3: Users are responsible for annotating training references to identify current references pending STS revision.

NOTE 4: Address comments and recommended changes through AMC Functional Manager (DSN 779-2630) to the AETC Training Manager (DSN 736-2772).

A16.1.	AIRCRAFT GROUND HANDLING TR: TO 1C-10K(A)-2-7, 2-9, 2-10, 2-12, 2-20									
A16.1.1.	Jack or Level Aircraft									
A16.1.1.1.	Safety									
A16.1.1.2.	Manual									
A16.1.1.3.	Manifold									
A16.1.1.4.	Perform Jacking Team Member Duties									
A16.1.2.	Ground Aircraft or Equipment	*								
A16.1.3.	Lubricate Aircraft									
A16.1.4.	Tow or Move Aircraft									
A16.1.5.	Perform Wing/Tail Walker Duties IAW Applicable TO/Checklist									
A16.1.6.	Install and Remove Ground Safety Devices	*								
A16.1.7.	Perform Refuel/Defuel Team Member Duties IAW Applicable TO/Checklist									
A16.1.8.	Open and Close Engine Cowling	*								
A16.1.9.	Remove/Install Aircraft Access Panels	*								
A16.1.10.	Use Interphone	*								
A16.1.11.	Marshall Aircraft									
A16.1.12.	Perform Aircraft Egress	*								
A16.1.13.	Foreign Object Damage (FOD)/Dropped Object Program (DOPP) In and Around Aircraft									
A16.1.14.	Apply/Disconnect External Electrical Power	*								
A16.1.15.	Apply/Disconnect External Hydraulic Power	*								
A16.2.	HYDRAULIC POWER SYSTEMS TR: TO 1C-10K(A)-2-29									
A16.2.1.	MAIN HYDRAULIC SYSTEM									
A16.2.1.2.	Inspect system	*								
A16.2.1.3.	Perform operational check	*								
A16.2.1.4.	Operate main hydraulic system	*								
A16.2.1.5.	Troubleshoot main hydraulic system	*								
A16.2.1.6.	Flush hydraulic system									
A16.2.1.7.	Service reservoir	*								
A16.2.1.8.	Service accumulator	*								
A16.2.1.9.	Remove components									
A16.2.1.9.1	Engine driven pumps	*								

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	2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/ Information Provided (See Attachment 1)		
	A	B	A	B	C	D	E	A 3 Level	B 5-Level	C 7 Level
	5	7	Tng Start	Tng Comp	Trainee Initials	Trainer Initials	Certifier Initials	Course	CDC	(1) Course (2) CDC
1. Tasks, Knowledge And Technical References										
A16.2.1.9.2. Accumulators										
A16.2.1.9.3. Air eliminators										
A16.2.1.9.4. Engine and system manifold filters										
A16.2.1.9.5. Engine hydraulic manifolds										
A16.2.1.9.6. Hydraulic system manifolds										
A16.2.1.9.7. Reservoirs	*									
A16.2.1.9.8. Case drain bleed and check valves										
A16.2.1.9.9. Flight control by-pass valves										
A16.2.1.9.10. Hydraulic fire shutoff valves										
A16.2.1.9.11. Maintenance isolation valves										
A16.2.1.9.12. Pump bleed and auto prime valve										
A16.2.1.9.13. Relief and by-pass valve										
A16.2.1.9.14. System relief valve										
A16.2.1.10. Install components										
A16.2.1.10.1. Engine driven pumps	*									
A16.2.1.10.2. Accumulators										
A16.2.1.10.3. Air eliminators										
A16.2.1.10.4. Engine and system manifold filters										
A16.2.1.10.5. Engine hydraulic manifolds										
A16.2.1.10.6. Hydraulic system manifolds										
A16.2.1.10.7. Reservoirs	*									
A16.2.1.10.8. Case drain bleed and check valves										
A16.2.1.10.9. Flight control by-pass valves										
A16.2.1.10.10. Hydraulic fire shutoff valves										
A16.2.1.10.11. Maintenance isolation valves										
A16.2.1.10.12. Pump bleed and auto prime valve										
A16.2.1.10.13. Relief and by-pass valve										
A16.2.1.10.14. System relief valve										
A16.2.2. AUXILIARY HYDRAULIC SYSTEM										
TR:TO 1C-10K(A)-2-29										
A16.2.2.1. Operational fundamentals										
A16.2.2.2. Inspect system	*									
A16.2.2.3. Perform operational check	*									
A16.2.2.4. Troubleshoot system	*									
A16.2.2.5. Operate auxiliary hydraulic system	*									
A16.2.2.6. Remove components										
A16.2.2.6.1. Electric motor driven auxiliary pump										
A16.2.2.6.2. Reversible motor pump										
A16.2.2.6.3. Motor pump shutoff valve	*									
A16.2.2.6.4. Auxiliary pump manifold										

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	2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/ Information Provided (See Attachment 1)		
	A	B	A	B	C	D	E	A 3 Level	B 5-Level	C 7 Level
	5	7	Tng Start	Tng Comp	Trainee Initials	Trainer Initials	Certifier Initials	Course	CDC	(1) Course (2) CDC
1. Tasks, Knowledge And Technical References										
A16.2.2.6.5. Reversible pump manifold										
A16.2.2.7. Install components										
A16.2.2.7.1. Electric motor driven auxiliary pump										
A16.2.2.7.2. Reversible motor pump										
A16.2.2.7.3. Motor pump shutoff valve	*									
A16.2.2.7.4. Auxiliary pump manifold										
A16.2.2.7.5. Reversible pump manifold										
A16.2.3. HYDRAULIC INDICATION SYSTEM TR: TO 1C-10K(A)-2-29										
A16.2.3.1. Operational fundamentals										
A16.2.3.2. Inspect system		*								
A16.2.3.3. Perform operational check	*									
A16.2.3.4. Troubleshoot system										
A16.2.3.5. Operate indicating system	*									
A16.2.3.6. Remove components										
A16.2.3.6.1 Reservoir temperature sensor										
A16.2.3.6.2 Case drain high temperature switch										
A16.2.3.7. Install components										
A16.2.3.7.1. Reservoir temperature sensor										
A16.2.3.7.2. Case drain high temperature switch										
A16.3. MAIN LANDING GEAR AND DOORS TR: TO 1C-10K(A)-2-32										
A16.3.1. Operate main gear doors										
A16.3.2. Service main gear shock strut	*									
A16.3.3. Service centerline gear shock strut	*									
A16.3.4. Repack/Reseal Components										
A16.3.4.1. Main gear shock strut	*									
A16.3.4.2. Centerline gear shock strut	*									
A16.4. NOSE GEAR AND DOORS TR: TO 1C-10K(A)-2-32										
A16.4.5. Operate nose gear door										
A16.4.6. Service nose gear shock strut	*									
A16.4.7. Repack/Reseal nose gear shock strut	*									
A16.5. EXTENSION AND RETRACTION TR: TO 1C-10K(A)-2-32										
A16.5.1. Operational fundamentals										
A16.5.2. Perform operational check										
A16.5.3. Inspect system	*									
A16.5.4. Troubleshoot system	*									
A16.5.5. Operate extend and retract system	*									

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	2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/ Information Provided (See Attachment 1)		
	A	B	A	B	C	D	E	A 3 Level	B 5-Level	C 7 Level
	5	7	Tng Start	Tng Comp	Trainee Initials	Trainer Initials	Certifier Initials	Course	CDC	(1) Course (2) CDC
1. Tasks, Knowledge And Technical References										
A16.5.6. Simulated Extension/Retraction	*									
A16.4.7.2. Ground sensing										
A16.5.6. Remove components										
A16.5.6.1. Main gear hydraulic interlock cylinder	*									
A16.5.6.2. Centerline gear control valve										
A16.5.6.3. Landing gear selector valve										
A16.5.6.4. Main gear down lock cylinder	*									
A16.5.6.5. Main gear retract cylinder	*									
A16.5.6.6. Main gear gland										
A16.5.6.7. Main gear door cylinder										
A16.5.6.8. Main gear door latch cylinder										
A16.5.6.9. Nose gear retract cylinder	*									
A16.5.6.10. Nose gear unlock cylinder										
A16.5.6.11. Trim cylinder	*									
A16.5.6.12. Trim cylinder relief valve										
A16.5.6.13. Centerline gear retract cylinder	*									
A16.5.6.14. Centerline gear unlock cylinder										
A16.5.6.15. Centerline gear door links										
A16.5.7. Install components										
A16.5.7.1. Main gear hydraulic interlock cylinder	*									
A16.5.7.2. Centerline gear control valve										
A16.5.7.3. Landing gear selector valve										
A16.5.7.4. Main gear downlock cylinder	*									
A16.5.7.5. Main gear retract cylinder	*									
A16.5.7.6. Main gear gland										
A16.5.7.7. Main gear door cylinder										
A16.5.7.8. Main gear door latch cylinder										
A16.5.7.9. Nose gear retract cylinder	*									
A16.5.7.10. Nose gear unlock cylinder										
A16.5.7.11. Trim cylinder	*									
A16.5.7.12. Trim cylinder relief valve										
A16.5.7.13. Centerline gear retract cylinder	*									
A16.5.7.14. Centerline gear unlock cylinder										
A16.5.7.15. Centerline gear door links										
A16.6. WHEELS AND BRAKES SYSTEM										
TR: TO 1C-10(K)A-2-32										
A16.6.1. Operational fundamentals										
A16.6.2. Perform operational checkout										
A16.6.3. Inspect system	*									
A16.6.4. Troubleshoot system	*									

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1. Tasks, Knowledge And Technical References	2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/ Information Provided (See Attachment 1)		
	A	B	A	B	C	D	E	A 3 Level	B 5-Level	C 7 Level
	5	7	Tng Start	Tng Comp	Trainee Initials	Trainer Initials	Certifier Initials	Course	CDC	(1) Course (2) CDC
A16.6.5. Break wear check										
A16.6.6. Bleed brake system										
A16.6.7. Remove components										
A16.6.7.1. Main wheel brakes										
A16.6.7.2. Brake valve actuator										
A16.6.7.3. Brake system manifold and manifold check										
A16.6.7.4. Dual brake control valve	*									
A16.6.8. Install components										
A16.6.8.1. Main wheel brakes										
A16.6.8.2. Brake valve actuator										
A16.6.8.3. Brake system manifold and manifold check										
A16.6.8.4. Dual brake control valve	*									
A16.7. ANTI-SKID SYSTEM TR: TO 1C-10K(A)-2-32										
A16.7.1. Operational fundamentals										
A16.7.2. Perform operational check										
A16.7.3. Inspect system	*									
A16.7.4. Troubleshoot system	*									
A16.7.5. Perform maintenance practices										
A16.7.6. Remove components										
A16.7.6.1. Skid control manifold										
A16.7.6.2. Fluid quantity limiter valves	*									
A16.7.6.3. Parking brake valves										
A16.7.6.4. Skid control valves										
A16.7.7. Install components										
A16.7.7.1. Skid control manifold										
A16.7.7.2. Fluid quantity limiter valves	*									
A16.7.7.3. Parking brake valves										
A16.7.7.4. Skid control valves										
A16.8. STEERING SYSTEM TR: TO 1C-10K(A)-2-32										
A16.8.1. Operate steering system	*									
A16.8.2. Inspect system	*									
A16.8.3. Troubleshoot system	*									
A16.8.3. Remove components										
A16.8.3.1. Nose wheel steering cylinders	*									
A16.8.3.2. Steering manifold										
A16.8.3.3. Steering by-pass valve										
A16.8.3.4. Steering control valve										
A16.8.3.5. Steering relief valve										

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1. Tasks, Knowledge And Technical References	2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/ Information Provided (See Attachment 1)		
	A	B	A	B	C	D	E	A 3 Level	B 5-Level	C 7 Level
	5	7	Tng Start	Tng Comp	Trainee Initials	Trainer Initials	Certifier Initials	Course	CDC	(1) Course (2) CDC
A16.8.4. Install components										
A16.8.4.1. Nose wheel steering cylinders	*									
A16.8.4.2. Steering manifold										
A16.8.4.3. Steering by-pass valve										
A16.8.4.4. Steering control valve										
A16.8.4.5. Steering relief valve										
A16.9. FLIGHT CONTROL SYSTEMS AND COMPONENTS TR: TO 1C-10K(A)-2-27										
A16.9.1. AILERON CONTROL SYSTEM										
A16.9.1.1. Operational fundamentals										
A16.9.1.2. Perform operational check	*									
A16.9.1.3. Inspect system		*								
A16.9.1.4. Troubleshoot System		*								
A16.9.1.5. Operate aileron system										
A16.9.1.6. Remove components										
A16.9.1.6.1. Aileron actuators										
A16.9.1.7. Install components										
A16.9.1.7.1. Aileron actuators										
A16.9.2. RUDDER CONTROL SYSTEM TR: TO 1C-10K(A)-2-27										
A16.9.2.1. Operational fundamentals										
A16.9.2.2. Perform operational check	*									
A16.9.2.3. Inspect system		*								
A16.9.2.4. Troubleshoot System		*								
A16.9.2.5. Operate rudder system										
A16.9.2.6. Remove components										
A16.9.2.6.1. Rudder actuators										
A16.9.2.6.2. Non-reversible motor pump compensator										
A16.9.2.6.3. Non-reversible motor pump										
A16.9.2.6.4. Motor operated shutoff valve										
A16.9.2.7. Install components										
A16.9.2.7.1. Rudder actuators										
A16.9.2.7.2. Non-reversible motor pump compensator										
A16.9.2.7.3. Non-reversible motor pump										
A16.9.2.7.4. Motor operated shutoff valve										
A16.9.3. ELEVATOR CONTROL SYSTEMS TR: TO 1C-10K(A)-2-27										
A16.9.3.1. Operational fundamentals										
A16.9.3.2. Perform operational check	*									
A16.9.3.3. Inspect system		*								

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1. Tasks, Knowledge And Technical References	2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/ Information Provided (See Attachment 1)		
	A	B	A	B	C	D	E	A 3 Level	B 5-Level	C 7 Level
	5	7	Tng Start	Tng Comp	Trainee Initials	Trainer Initials	Certifier Initials	Course	CDC	(1) Course (2) CDC
A16.9.3.4. Troubleshoot System	*									
A16.9.3.5. Operate elevator system										
A16.9.3.6. Remove components										
A16.9.3.6.1. Elevator actuator										
A16.9.3.7. Install components										
A16.9.3.7.1. Elevator actuator										
A16.9.4. HORIZONTAL STABILIZER TR: TO 1C-10K(A)-2-27										
A16.9.4.1. Operational fundamentals										
A16.9.4.2. Perform operational check	*									
A16.9.4.3. Inspect system	*									
A16.9.4.4. Troubleshoot System	*									
A16.9.4.5. Operate horizontal stabilizer										
A16.9.4.6. Remove components										
A16.9.4.6.1. Horizontal stabilizer hydraulic motor and brake	*									
A16.9.4.6.2. Primary trim control valve										
A16.9.4.7. Install components										
A16.9.4.7.1. Horizontal stabilizer hydraulic motor and brake	*									
A16.9.4.7.2. Primary trim control valve										
A16.9.5. FLAPS TR: TO 1C-10K(A)-2-27										
A16.9.5.1. Operational fundamentals										
A16.9.5.2. Perform operational check	*									
A16.9.5.3. Inspect system	*									
A16.9.5.4. Troubleshoot System	*									
A16.9.5.5. Operate flap system										
A16.9.5.6. Remove components										
A16.9.5.6.1. Flap actuating cylinder	*									
A16.9.5.6.2. Flap control valve										
A16.9.5.6.3. Flap lock valve										
A16.9.5.7. Install components										
A16.9.5.7.1. Flap actuating cylinder	*									
A16.9.5.7.2. Flap control valve										
A16.9.5.7.3. Flap lock valve										
A16.9.6. SPOILER TR: TO 1C-10K(A)-2-27										
A16.9.6.1. Operational fundamentals										
A16.9.6.2. Perform operational check	*									
A16.9.6.3. Inspect system	*									
A16.9.6.4. Troubleshoot System	*									

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1. Tasks, Knowledge And Technical References	2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/ Information Provided (See Attachment 1)		
	A	B	A	B	C	D	E	A 3 Level	B 5-Level	C 7 Level
	5	7	Tng Start	Tng Comp	Trainee Initials	Trainer Initials	Certifier Initials	Course	CDC	(1) Course (2) CDC
A16.9.6.5. Operate spoilers										
A16.9.6.6. Remove components										
A16.9.6.6.1. Spoiler drive servo										
A16.9.6.7. Install components										
A16.9.6.7.1. Spoiler drive servo										
A16.9.7. LIFT AUGMENTING SYSTEM TR: TO 1C-10K(A)-2-27										
A16.9.7.1. Operational fundamentals										
A16.9.7.2. Perform operational check	*									
A16.9.7.3. Inspect system		*								
A16.9.7.4. Troubleshoot System TR: TO 1C-10K(A)-2-27		*								
A16.9.7.5. Operate lift augmenting system										
A16.9.7.6. Remove components										
A16.9.7.6.1. Slat actuator										
A16.9.7.6.2. Outboard slat balance relief valve										
A16.9.7.6.3. Slat control valve										
A16.9.7.6.4. Slat two speed valve										
A16.9.7.7. Install components										
A16.9.7.7.1. Slat actuator										
A16.9.7.7.2. Outboard slat balance relief valve										
A16.9.7.7.3. Slat control valve										
A16.9.7.7.4. Slat two speed valve										
A16.9.8. AILERON AND ELEVATOR DAMPERS TR: TO 1C-10K(A)-2-27										
A16.9.8.1. Operational fundamentals										
A16.9.8.2. Perform operational check	*									
A16.9.8.3. Inspect system		*								
A16.9.8.4. Troubleshoot System		*								
A16.9.8.5. Operate dampers										
A16.9.8.6. Remove components										
A16.9.8.6.1. Aileron dampers										
A16.9.8.6.2. Elevator dampers										
A16.9.8.7. Install components										
A16.9.8.7.1. Aileron dampers										
A16.9.8.7.2. Elevator dampers										
A16.10. INFLIGHT REFUELING SYSTEM AND COMPONENTS										
A16.10.1. AIR REFUELING (A/R) ANCILLARY SYSTEMS TR: TO 1C-10K(A)-2-28-2										
A16.10.1.1. Operational fundamentals										

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	2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/ Information Provided (See Attachment 1)		
	A	B	A	B	C	D	E	A 3 Level	B 5-Level	C 7 Level
	5	7	Tng Start	Tng Comp	Trainee Initials	Trainer Initials	Certifier Initials	Course	CDC	(1) Course (2) CDC
1. Tasks, Knowledge And Technical References										
A16.10.1.2. Perform operational check	*									
A16.10.1.3. Inspect system		*								
A16.10.1.4. Troubleshoot system		*								
A16.10.1.5. Operate A/R ancillary systems										
A16.10.1.6. Remove components										
A16.10.1.6.1. Auxiliary reservoir										
A16.10.1.6.2. Boom/drogue selector valve										
A16.10.1.6.3. Pilot operated check valve	*									
A16.10.1.7. Install components										
A16.10.1.7.1. Auxiliary reservoir										
A16.10.1.7.2. Boom/drogue selector valve										
A16.10.1.7.3. Pilot operated check valve	*									
A16.10.2. AIR REFUELING FUEL SYSTEM TR: TO 1C-10K(A)-2-28										
A16.10.2.1. Operational fundamentals										
A16.10.2.2. Perform operational check	*									
A16.10.2.3. Inspect system		*								
A16.10.2.4. Troubleshoot system using fuel pressure control system test set	*									
A16.10.2.5. Operate A/R system	*									
A16.10.2.6. Remove components										
A16.10.2.6.1. Boom and drogue fuel shutoff valve	*									
A16.10.2.6.2. Hydraulic operated dual by-pass valve										
A16.10.2.6.3. Fuel pump pressure control unit										
A16.10.2.6.4. Fuel pressure indicator										
A16.10.2.6.5. Hydraulic servo motor										
A16.10.2.6.6. Fuel pressure transducer										
A16.10.2.6.7. Hydraulic servo control valve										
A16.10.2.6.8. A/R fuel flow rate indicator										
A16.10.2.6.9. A/R fuel flow transmitter	*									
A16.10.2.6.10. A/R fuel flow power supply										
A16.10.2.7. Install components										
A16.10.2.7.1. Boom and drogue fuel shutoff valve	*									
A16.10.2.7.2. Hydraulic operated duel by-pass valve										
A16.10.2.7.3. Fuel pump pressure control unit										
A16.10.2.7.4. Fuel pressure indicator										
A16.10.2.7.5. Hydraulic servo motor										
A16.10.2.7.6. Fuel pressure transducer										
A16.10.2.7.7. Hydraulic servo control valve										
A16.10.2.7.8. A/R fuel flow rate indicator										

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	2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/ Information Provided (See Attachment 1)		
	A	B	A	B	C	D	E	A 3 Level	B 5-Level	C 7 Level
	5	7	Tng Start	Tng Comp	Trainee Initials	Trainer Initials	Certifier Initials	Course	CDC	(1) Course (2) CDC
1. Tasks, Knowledge And Technical References										
A16.10.2.7.9. A/R fuel flow transmitter	*									
A16.10.2.7.10. A/R fuel flow power supply										
A16.10.3. BOOM AND NOZZLE TR: TO 1C-10K(A)-2-28										
A16.10.3.1. Operational fundamentals										
A16.10.3.2. Perform operational check	*									
A16.10.3.3. Inspect system		*								
A16.10.3.4. Troubleshoot system		*								
A16.10.3.5. Using status test panel										
A16.10.3.6. Using ARB test set										
A16.10.3.7. Using nozzle tester										
A16.10.3.8. Operate boom and nozzle										
A16.10.3.9. Deploy boom for maintenance										
A16.10.3.10. Extend boom										
A16.10.3.11. Lower boom for maintenance										
A16.10.3.12. Raise boom after maintenance										
A16.10.3.13. Retract boom										
A16.10.3.14. Remove components										
A16.10.3.14.1. Boom	*									
A16.10.3.14.2. Flexible fuel coupling	*									
A16.10.3.14.3. Preload bungees cylinder										
A16.10.3.14.4. Gimble		*								
A16.10.3.14.5. ARB sliding fuel seal	*									
A16.10.3.14.6. Boom accelerometer										
A16.10.3.14.7. Elevator actuator										
A16.10.3.14.8. Rudder actuators (tandem)										
A16.10.3.14.9. Status test panel										
A16.10.3.14.10. Nozzle load sensor	*									
A16.10.3.14.11. Boom elevation and roll axis indication LVDT										
A16.10.3.14.12. Roll position transducer (DRV)										
A16.10.3.14.13. Boom control unit										
A16.10.3.14.14. ARB control surfaces	*									
A16.10.3.14.15. Annunciator lights										
A16.10.3.14.16. Telescope servo motor	*									
A16.10.3.14.17. Boom position indicators										
A16.10.3.14.18. Boom signal amplifier										
A16.10.3.14.19. Boom signal coil										
A16.10.3.14.20. ARB stowage shock absorber										
A16.10.3.14.21. Boom hoist cable										
A16.10.3.14.22. Hookeye	*									

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	2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/ Information Provided (See Attachment 1)		
	A	B	A	B	C	D	E	A 3 Level	B 5-Level	C 7 Level
	5	7	Tng Start	Tng Comp	Trainee Initials	Trainer Initials	Certifier Initials	Course	CDC	(1) Course (2) CDC
1. Tasks, Knowledge And Technical References										
A16.10.3.14.23. Latch	*									
A16.10.3.14.24. Hoist motor										
A16.10.3.14.25. Tension motor										
A16.10.3.14.26. Boom hoist winch	*									
A16.10.3.14.27. Hoist winch linear actuator										
A16.10.3.14.28. Latch striker										
A16.10.3.14.29. Pneumatic module (IDS)										
A16.10.3.14.30. Nozzle	*									
A16.10.3.14.31. Recoil	*									
A16.10.3.14.32. Boom elevator/roll controller	*									
A16.10.3.14.33. ARO and instructor's telescope controller	*									
A16.10.3.15. Install components										
A16.10.3.15.1 Boom	*									
A16.10.3.15.2. Flexible fuel coupling	*									
A16.10.3.15.3. Preload bungees cylinder										
A16.10.3.15.4. Gimble		*								
A16.10.3.15.5. ARB sliding fuel seal	*									
A16.10.3.15.6. Boom accelerometer										
A16.10.3.15.7. Elevator actuator										
A16.10.3.15.8. Rudder actuators (tandem)										
A16.10.3.15.9. Status test panel										
A16.10.3.15.10. Nozzle load sensor	*									
A16.10.3.15.11. Boom elevation and roll axis indication LVDT										
A16.10.3.15.12. Roll position transducer (DRVT)										
A16.10.3.15.13. Boom control unit										
A16.10.3.15.14. ARB control surfaces	*									
A16.10.3.15.15. Annunciator lights										
A16.10.3.15.16. Telescope servo motor										
A16.10.3.15.17. Boom position indicators										
A16.10.3.15.18. Boom signal amplifier										
A16.10.3.15.19. Boom signal coil										
A16.10.3.15.20. ARB stowage shock absorber										
A16.10.3.15.21. Boom hoist cable										
A16.10.3.15.22. Hookeye	*									
A16.10.3.15.23. Latch	*									
A16.10.3.15.24. Hoist motor										
A16.10.3.15.25. Tension motor										
A16.10.3.15.26. Boom hoist winch	*									
A16.10.3.15.27. Hoist winch linear actuator										
A16.10.3.15.28. Latch striker										

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	2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/ Information Provided (See Attachment 1)		
	A	B	A	B	C	D	E	A 3 Level	B 5-Level	C 7 Level
	5	7	Tng Start	Tng Comp	Trainee Initials	Trainer Initials	Certifier Initials	Course	CDC	(1) Course (2) CDC
1. Tasks, Knowledge And Technical References										
A16.10.3.15.29. Pneumatic module (IDS)										
A16.10.3.15.30. Nozzle	*									
A16.10.3.15.31. Recoil	*									
A16.10.3.15.32. Boom elevator/roll controller	*									
A16.10.3.15.33. ARO and instructor's telescope controller	*									
A16.10.4. HOSE AND DROGUE SYSTEM TR: TO 1C-10K(A)-2-28										
A16.10.4.1. Operational fundamentals										
A16.10.4.2. Perform operational check	*									
A16.10.4.3. Inspect system		*								
A16.10.4.4. Troubleshoot system using drogue coupling tester		*								
A16.10.4.5. Operate hose and drogue system	*									
A16.10.4.6. Trail drogue	*									
A16.10.4.7. Rewind drogue	*									
A16.10.4.8. Drain drogue										
A16.10.4.9. Remove components										
A16.10.4.9.1. Hose	*									
A16.10.4.9.2. Hose reel		*								
A16.10.4.9.3. Hose reel hydraulic components										
A16.10.4.10. Install components										
A16.10.4.10.1. Hose	*									
A16.10.4.10.2. Hose reel		*								
A16.10.4.10.3. Hose reel hydraulic components										
A16.10.5. WING AIR REFUELING PODS TR: 1C-10K(A)-2-28										
A16.10.5.1. Operational fundamentals										
A16.10.5.2. Perform operational check	*									
A16.10.5.3. Inspect system		*								
A16.10.5.4. Troubleshoot system		*								
A16.10.5.5. Built In Test (BITE) Check										
A16.10.5.6. Pod Draining										
A16.10.5.8. Deploy/Stow Hose										
A16.10.5.9. POD INSPECTIONS TR: TO 1C-10K(A)-2-28-WC										
A16.10.5.9.1. Cyclic										
A16.10.5.9.2. Home Station Check (HSC)										
A16.10.5.9.3. Pod Fault Diagnosis		*								
A16.10.5.10. Remove components										
A16.10.5.10.1. Refueling Pod	*									
A16.10.5.10.2. Pylon	*									

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	2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/ Information Provided (See Attachment 1)		
	A	B	A	B	C	D	E	A 3 Level	B 5-Level	C 7 Level
	5	7	Tng Start	Tng Comp	Trainee Initials	Trainer Initials	Certifier Initials	Course	CDC	(1) Course (2) CDC
1. Tasks, Knowledge And Technical References										
A16.10.5.10.3. Rear Fairing										
A16.10.5.10.4. Nose Fairing										
A16.10.5.10.5. Hose	*									
A16.10.5.10.6. Hose Jettison Unit										
A16.10.5.10.7. Coupling										
A16.10.5.10.8. Drogue										
A16.10.5.10.9. Ram Air Turbine (RAT)		*								
A16.10.5.10.10. Dummy Spinner Cone										
A16.10.5.10.11. Digital Refueling Control Unit (DRCU)										
A16.10.5.10.12. Power Supply										
A16.10.5.10.13. Motor Drive Unit										
A16.10.5.10.14. Hose Position Sensor										
A16.10.5.10.15. DC Motor										
A16.10.5.10.16. Parking Brake (Linear Actuator)										
A16.10.5.10.17. Pawl Assembly (Parking Brake)										
A16.10.5.10.18. Hose Drum Drive Unit										
A16.10.5.10.19. Gear Box Assembly										
A16.10.5.10.20. Tensator Drive	*									
A16.10.5.10.21. Fuel Pump										
A16.10.5.10.22. Vane Pump										
A16.10.5.10.23. Control Valve										
A16.10.5.11. Install components										
A16.10.5.11.1. Refueling Pod	*									
A16.10.5.11.2. Pylon	*									
A16.10.5.11.3. Rear Fairing										
A16.10.5.11.4. Nose Fairing										
A16.10.5.11.5. Hose	*									
A16.10.5.11.6. Hose Jettison Unit										
A16.10.5.11.7. Coupling										
A16.10.5.11.8. Drogue										
A16.10.5.11.9. Ram Air Turbine (RAT)										
A16.10.5.11.10. Dummy Spinner Cone										
A16.10.5.11.11. Digital Refueling Control Unit (DRCU)										
A16.10.5.11.12. Power Supply										
A16.10.5.11.13. Motor Drive Unit										
A16.10.5.11.14. Hose Position Sensor										
A16.10.5.11.15. DC Motor										
A16.10.5.11.16. Parking Brake (Linear Actuator)										
A16.10.5.11.17. Pawl Assembly (Parking Brake)										
A16.10.5.11.18. Hose Drum Drive Unit										

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1. Tasks, Knowledge And Technical References	2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/ Information Provided (See Attachment 1)		
	A	B	A	B	C	D	E	A 3 Level	B 5-Level	C 7 Level
	5	7	Tng Start	Tng Comp	Trainee Initials	Trainer Initials	Certifier Initials	Course	CDC	(1) Course (2) CDC
A16.10.5.11.19. Gear Box Assembly										
A16.10.5.11.20. Tensator Drive	*									
A16.10.5.11.21. Fuel Pump										
A16.10.5.11.22. Vane Pump										
A16.10.5.11.23. Control Valve										
A16.11. AIR REFUELING RECEIVER SYSTEM TR: TO 1C-10K(A)-2-28										
A16.11.1. Operational fundamentals										
A16.11.2. Perform operational check	*									
A16.11.3. Inspect system		*								
A16.11.4. Troubleshoot system using UARRSI tester		*								
A16.11.5. Operate A/R receiver system	*									
A16.11.6. Remove components										
A16.11.6.1. UARRSI	*									
A16.11.6.2. Door control cable										
A16.11.7. Install components										
A16.11.7.1. UARRSI	*									
A16.11.7.2. Door control cable										
A16.11.8 DOORS TR: TO 1C-10K(A)-2-52										
A16.11.8.1. Operational fundamentals										
A16.11.8.2. Perform operational check	*									
A16.11.8.3. Inspect		*								
A16.11.8.4. Troubleshoot system		*								
A16.11.8.5. Operate entry door										
A16.11.8.6. Operate cargo door										
A16.11.8.7. Remove components										
A16.11.8.7.1. Cargo door actuator	*									
A16.11.8.7.2. Cargo door latch actuator										
A16.11.8.7.3. Cargo door hand pump										
A16.11.8.7.4. Cargo door electric pump										
A16.11.8.7.5. Cargo door reservoir										
A16.11.8.7.6. Cargo door control valve	*									
A16.11.8.8. Install components										
A16.11.8.8.1. Cargo door actuator	*									
A16.11.8.8.2. Cargo door latch actuator										
A16.11.8.8.3. Cargo door hand pump										
A16.11.8.8.4. Cargo door electric pump										
A16.11.8.8.5. Cargo door reservoir										
A16.11.8.8.6. Cargo door control valve	*									

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1. Tasks, Knowledge And Technical References	2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/ Information Provided (See Attachment 1)		
	A	B	A	B	C	D	E	A 3 Level	B 5-Level	C 7 Level
	5	7	Tng Start	Tng Comp	Trainee Initials	Trainer Initials	Certifier Initials	Course	CDC	(1) Course

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1. Tasks, Knowledge And Technical References	2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/ Information Provided (See Attachment 1)		
	A	B	A	B	C	D	E	A 3 Level	B 5-Level	C 7 Level
	5	7	Tng Start	Tng Comp	Trainee Initials	Trainer Initials	Certifier Initials	Course	CDC	(1) Course (2) CDC

ATTACHMENT 17 (MH-53 TRAINING REQUIREMENTS)

NOTE 1: The core tasks listed in Attachment 17 are in addition to those in Attachment 2.

NOTE 2: Tasks and knowledge listed in Attachment 17 will be used in conjunction with Attachment 2 by MH-53 personnel for upgrade requirements.

NOTE 3: Users are responsible for annotating training references to identify current references pending STS revision.

NOTE 4: Address comments and recommended changes through AFSOC Functional Manager (DSN 579-2352) to the AETC Training Manager (DSN 736-2772).

A17.1.	MAIN HYDRAULIC POWER SYSTEM TR: 1H-53(M)J-2-4									
A17.1.1.	Operational fundamentals									
A17.1.2.	Inspect system	*								
A17.1.3.	Perform operational check	*								
A17.1.4.	Troubleshoot system		*							
A17.1.5.	Service and drain reservoir	*								
A17.1.6.	Bleed systems	*								
A17.1.7.	Remove components									
A17.1.7.1.	Reservoir									
A17.1.7.2.	Manifolds									
A17.1.7.3.	Pumps									
A17.1.7.4.	Valves									
A17.1.8.	Install components									
A17.1.8.1.	Reservoir									
A17.1.8.2.	Manifolds									
A17.1.8.3.	Pumps									
A17.1.8.4.	Valves									
A17.2.	LANDING GEAR SYSTEM TR: 1H-53(M)J-2-1 & 1H-53(M)J-2-4									
A17.2.1.	Operational fundamentals									
A17.2.2.	Inspect system									
A17.2.3.	Perform operational check	*								
A17.2.4.	Troubleshoot system		*							
A17.2.5.	Service	*								
A17.2.6.	Bleed	*								
A17.2.7.	Remove components									
A17.2.7.1.	Actuators									
A17.2.7.2.	Manifolds									
A17.2.7.3.	Valves									
A17.2.7.4.	Blow Down Bottle									
A17.2.7.5.	Struts									
A17.2.8.	Install components									
A17.2.8.1.	Actuators									
A17.2.8.2.	Manifolds									

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1. Tasks, Knowledge And Technical References	2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/ Information Provided (See Attachment 1)		
	A	B	A	B	C	D	E	A 3 Level	B 5-Level	C 7 Level
	5	7	Tng Start	Tng Comp	Trainee Initials	Trainer Initials	Certifier Initials	Course	CDC	(1) Course (2) CDC
A17.2.8.3. Valves										
A17.2.8.4. Blow Down Bottle										
A17.2.8.5. Struts										
A17.3. WHEEL BRAKE SYSTEM TR: 1H-53(M)J-2-1 & 1H-53(M)J-2-4										
A17.3.1. Operational fundamentals										
A17.3.2. Inspect system										
A17.3.3. Perform operational check	*									
A17.3.4. Troubleshoot system		*								
A17.3.5. Bleed brake system	*									
A17.3.6. Remove components										
A17.3.6.1. Valves										
A17.3.6.2. Brake										
A17.3.7. Install components										
A17.3.7.1. Valves										
A17.3.7.2. Brake										
A17.4. FLIGHT CONTROL SYSTEM TR: 1H-53(M)J-2-4										
A17.4.1. Operational fundamentals										
A17.4.2. Inspect system										
A17.4.3. Perform operational check	*									
A17.4.4. Troubleshoot system		*								
A17.4.5. Bleed Systems	*									
A17.4.6. Remove components										
A17.4.6.1. Primary Servo										
A17.4.6.2. Pressure Reducers										
A17.4.7. Install components										
A17.4.7.1. Primary Servo										
A17.4.7.2. Pressure Reducers										
A17.5. CARGO RAMP SYSTEM TR: 1H-53(M)J-2-4										
A17.5.1. Operational fundamentals										
A17.5.2. Inspect system										
A17.5.3. Perform operational check										
A17.5.4. Troubleshoot system										
A17.5.5. Bleed System										
A17.5.6. Remove components										
A17.5.6.1. Actuators										
A17.5.6.2. Control Valve										
A17.5.7. Install components										

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	2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/ Information Provided (See Attachment 1)		
	A	B	A	B	C	D	E	A 3 Level	B 5-Level	C 7 Level
	5	7	Tng Start	Tng Comp	Trainee Initials	Trainer Initials	Certifier Initials	Course	CDC	(1) Course (2) CDC
1. Tasks, Knowledge And Technical References										
A17.5.7.1. Actuators										
A17.5.7.2. Control Valve										
A17.6. ENGINE START SYSTEM TR: 1H-53(M)J-2-4										
A17.6.1. Operational fundamentals										
A17.6.2. Inspect system										
A17.6.3. Perform operational check	*									
A17.6.4. Troubleshoot system		*								
A17.6.5. Bleed system	*									
A17.6.6. Remove components										
A17.6.6.1. Pump										
A17.6.6.2. Manifolds										
A17.6.6.3. Valves										
A17.6.7. Install components										
A17.6.7.1. Pump										
A17.6.7.2. Manifolds										
A17.6.7.3. Valves										
A17.7. APP START SYSTEM TR: 1H-53(M)J-2-4										
A17.7.1. Operational fundamentals										
A17.7.2. Inspect system										
A17.7.3. Perform operational check	*									
A17.7.4. Troubleshoot system		*								
A17.7.5. Service accumulator	*									
A17.7.6. Bleed system	*									
A17.7.7. Remove components										
A17.7.7.1. Accumulator										
A17.7.7.2. Hand Pump										
A17.7.7.3. Start Valve										
A17.7.8. Install components										
A17.7.8.1. Accumulator										
A17.7.8.2. Hand Pump										
A17.7.8.3. Start Valve										
A17.8. ROTOR BRAKE SYSTEM TR: 1H-53(M)J-2-4										
A17.8.1. Operational fundamentals										
A17.8.2. Inspect system										
A17.8.3. Perform operational check	*									
A17.8.4. Troubleshoot system		*								
A17.8.5. Service system	*									

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1. Tasks, Knowledge And Technical References	2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/ Information Provided (See Attachment 1)		
	A	B	A	B	C	D	E	A 3 Level	B 5-Level	C 7 Level
	5	7	Tng Start	Tng Comp	Trainee Initials	Trainer Initials	Certifier Initials	Course	CDC	(1) Course (2) CDC
A17.8.6. Bleed system	*									
A17.8.7. Remove components										
A17.8.7.1. Manifold										
A17.8.8. Install components										
A17.8.8.1. Manifold										
A17.9. RESCUE HOIST SYSTEM TR: 1H-53(M)J-2-4										
A17.9.1. Operational fundamentals										
A17.9.2. Inspect system										
A17.9.3. Perform operational check	*									
A17.9.4. Troubleshoot system		*								
A17.9.5. Bleed system	*									
A17.9.6. Remove components										
A17.9.6.1. Hoist Motor										
A17.9.6.2. Speed Handle										
A17.9.6.3. Valves										
A17.9.7. Install components										
A17.9.7.1. Hoist Motor										
A17.9.7.2. Speed Handle										
A17.9.7.3. Valves										
A17.10. BLADE AND PYLON FOLD SYSTEM TR: 1H-53(M)J-2-4										
A17.10.1. Operational fundamentals										
A17.10.2. Inspect system										
A17.10.3. Perform operational check	*									
A17.10.4. Troubleshoot system		*								
A17.10.5. Bleed system	*									
A17.10.6. Remove components										
A17.10.6.1. Swivels										
A17.10.6.2. Pitch Lock										
A17.10.6.3. Safety Valve										
A17.10.6.4. Rotory Couplings										
A17.10.6.5. Valves										
A17.10.7. Install components										
A17.10.7.1. Swivels										
A17.10.7.2. Pitch Lock										
A17.10.7.3. Safety Valve										
A17.10.7.4. Rotory Couplings										
A17.10.7.5. Valves										

MH-53 TRAINING REQUIREMENTS

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1. Tasks, Knowledge And Technical References	2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/ Information Provided (See Attachment 1)		
	A	B	A	B	C	D	E	A 3 Level	B 5-Level	C 7 Level
	5	7	Tng Start	Tng Comp	Trainee Initials	Trainer Initials	Certifier Initials	Course	CDC	(1) Course (2) CDC
A17.11. INSPECT/OVERHAUL/BENCH CHECK EQUIPMENT										
A17.11.1. Relief Valves, General TR: 9H8 series										
A17.11.2. Hand Pumps, General TR: 9H4 series										
A17.11.3. APP Accumulator TR: 9H1-2-40-3/4	*									
A17.11.4. MRH Accumulator TR: 3R1-2-9-3/4, 9H1-2-27-3, NAVAIR 30-SKY-74	*									
A17.11.5. Ramp Actuator TR: 9H2-4-175-3/4										
A17.11.6. Dual MLG Brake Assembly TR: A1-422PA-130-400	*									
A17.11.7. Rotor Brake Assembly TR: 4B1-2-1043	*									
A17.11.8. Engine Start Valve TR: 9H18-9-3	*									
A17.11.9. APP Start Valve TR: 9H8-4-198-3										
A17.11.10. Ramp Control Valve TR: 9H8-14-296-3/4										
A17.11.11. Hoist Control Valve (Electrical) TR: 9H8-30-77-3/4										
A17.11.12. Hoist Control Valve (Mechanical) TR: 9H8-30-71-3/4										

Section B - Course Objective List

4. Measurement. Each proficiency coded STS task or knowledge item taught at the technical school is measured through the use of an objective. An objective is a written instruction for the student so he or she knows what is expected of them to successfully complete training on each task. Each objective is comprised of a condition, behavior, and standard which states what is expected of the student for each task. The condition is the setting in which the training takes place (i.e. TOs, type of equipment, etc). The behavior is the observable portion of the objective (i.e. perform an operational check). The standard is the level of performance that is measured to ensure the STS proficiency code level is attained. Each objective uses letter codes(s) to identify how it is measured. All objectives using the PC code indicate a progress check is used to measure subject or task knowledge. W indicates a comprehensive written test and is used to measure the subject or task knowledge at the end of a block of instruction. PC/W indicates a subject or task knowledge progress check and a separate measurement of both knowledge and performance elements using a written test.

5. Standard. The standard for written examinations is 70%. Standards for performance objectives are indicated in the objective and are also indicated on the individual progress check checklist. The checklist is used by the instructor to document each student's progress on each task. Instructor assistance is provided as needed during the progress check, and students may be required to repeat all or part of the behavior until satisfactory performance is attained. Students must satisfactorily complete all PCs prior to taking the written test.

6. Proficiency Level. Review column 4A of the STS to determine the proficiency level of a particular task or knowledge item. Review the course objective list to determine which STS item the objective supports. Review the proficiency code key in Part II, Section A of this CFETP for an explanation of the proficiency codes. Most task performance is taught to the '2b' proficiency level which means the students can do most parts of the task, but does need assistance on the hardest parts of the task (partially proficient). The student can also determine step by step procedures for doing the task. For tasks that are taught to the '3c' proficiency level, students can do all parts of the task and only require a spot check on completed work (competent). The student can also identify why and when a task must be done and why each step is needed.

7. Course Objectives. A detailed listing of initial skills or craftsman course objectives may be obtained by submitting a written request to 364 TRS/TRR, 511 9th Ave STE 1, Sheppard AFB TX, 76311-2338.

Section C - Support Material

8. The following list of support materials is not all inclusive; however, it covers the most frequently referenced areas. For further information on the following courses, contact the OPR at:

333 TRS/TTCQS 601 D Street Keesler AFB, MS 39534-2229 DSN 597-5893	782 TRG 826 Avenue G Suite 4 Sheppard AFB, TX 76311-2867 DSN 736-2568
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COURSE NUMBER	COURSE TITLE	DEVELOPER
*AFQTP 2EXXX-201L	Workcenter Managers Handbook	333 TRS
*AFQTP 2EXXX-201LB	C-E Managers Handbook	333 TRS
ECI Specialized Course 1200	Air Force Technical Orders	782 TRG
*AFQTP 2EXXX-201G	Maintenance Support	333 TRS
*AFQTP 2EXXX-201P	TMDE Management	333 TRS
*AFQTP 2EXXX-201J	Maintenance Training Program	333 TRS

*Courses can be downloaded from 333 TRS home page at: <http://www.kee.aetc.af.mil/333trs/qflight>

Section D - Training Course Index

9. Purpose. This section of the CFETP identifies training courses available for the Hydraulic Systems Specialty and shows how the courses are used by each MAJCOM in their career field training programs. For further information on the following courses, contact the OPR at:

364 TRS/TRR
511 9th Ave STE 1
Sheppard AFB, TX 76311-2338
DSN 736-2772

10. Air Force In-Resident Courses.

COURSE NO.	COURSE TITLE	LOCATION	USER
J3ABR2A635 001	Aircraft Hydraulic Systems Apprentice	Sheppard AFB	AF, FMS
J3ACR2A675 000	Aircraft Hydraulic Systems Craftsman	Sheppard AFB	AF
J3AZR2A635 001	KC-135 In-Flight Refueling System	Sheppard AFB	AF

11. Extension Course Institute (ECI) Courses.

364 TRS/TTMAS
 511 9th Ave STE 1
 Sheppard AFB, TX 76311-2338
 DSN 736-2772

COURSE NO.	COURSE TITLE	USER
CDC 2A655	Aircraft Hydraulic Systems Journeyman	AF
CDC 2A675	Aircraft Hydraulic Systems Craftsman	AF
CDC 2AX7X	Aerospace Maintenance Craftsman	AF

12. Exportable Courses.

For further information on the following exportable courses, contact the OPRs at:

367 TRSS
 6058 Aspen Ave
 Hill AFB, UT 84056-5805
 DSN 777-7830/8741

362 TRS
 613 10th Ave
 Sheppard AFB, TX 76311-2352
 DSN 736-5206

The Hill AFB course catalog can be ordered from DSN 777-0160, FAX 777-0897, or www.hill.af.mil/367trss/index.htm.

COURSE NO.	COURSE TITLE	OPR	USER
00TVT0000	FOD Prevention (VHS tape)	367 TRSS	AF
00TVT0001	Safety and Radio Frequency (RF) Radiation (VHS tape)	367 TRSS	AF
00TVT0001V1	Troubleshooting Techniques (ICW)	367 TRSS	AF
00TTV0002	Aerospace Ground Equipment Training (ICW)	367 TRSS	AF

COURSE NO.	COURSE TITLE	OPR	USER
00TCB0002V1	Multimeter Familiarization (ICW)	367 TRSS	AF
00TIV0007	Potential Hazards of Oxygen Enriched Environments (VHS tape)	367 TRSS	AF
00CIV0008	Use and Care of Type III Torque Wrenches (ICW)	367 TRSS	AF
00CVT0009	Torque Wrench, Use and Care (VHS tape)	367 TRSS	AF
00TVT0011	Cold Weather Indoctrination (VHS tape)	367 TRSS	AF
00CVT0012	Manual Acft Snow Removal (VHS tape)	367 TRSS	AF
00TVT0017V1	General Aircraft Corrosion Control (VHS tape)	367 TRSS	AF
00TIV1000	Aircraft Marshaling (ICW)	367 TRSS	AF
01SIV8971V5.1.1	-86 Diesel Power Unit Operation (ICW)	367 TRSS	AF
00SIV8972	MA-3D Air Conditioner Operation (ICW)	367 TRSS	AF
01CIV0016	B-1B Emergency Ground Egress	367 TRSS	AF
01CIV0051	B-1B Command Aircraft Systems Training (CAST) General Airplane Information	367 TRSS	AF
01CIV0052	B-1B Hazardous Zones	367 TRSS	AF
01CIV1001	B-1B Safe for Maintenance	367 TRSS	AF
01CIV1615	B-1B Egress System Safety	367 TRSS	AF
01JIV0001	B-1B General Electrical Maintenance, part 1	367 TRSS	AF
01JIV0002	B-1B General Electrical Maintenance, part 2	367 TRSS	AF
01JIV0003	B-1B General Electrical Maintenance, part 3	367 TRSS	AF
01JIV0005	B-1B CITS Parameter Monitor Codes (PMC)	367 TRSS	AF
01JIV0006	B-1B CITS Maintenance Codes	367 TRSS	AF
01JIV0038	B-1B Hardness Critical Procedures (HCP) Check	367 TRSS	AF
01JIV1100	B-1B Panel Types, Location, and Construction	367 TRSS	AF
01JIV1101	B-1B Panel and Secondary Structure Inspection	367 TRSS	AF
01JIV1103	B-1B Forward Equipment Bay (FEB) Panels	367 TRSS	AF
01JIV1134	B-1B Fasteners/Related Hardware	367 TRSS	AF
01JIV2301	B-1B CAST Aircraft Systems and Power Plant	367 TRSS	AF
01JIV4300	B-1B EMUX	367 TRSS	AF
01JIV5500	B-1B CAST CITS/EMUX	367 TRSS	AF
01JIV5501	B-1B Ground Readiness Tests (GRT)	367 TRSS	AF
01SIV1005	B-1B Proximity Switch (Cover/Uncover) Simulated Airborne Conditions	367 TRSS	AF
01SIV2400	B-1B Auxiliary Power Unit Operation	367 TRSS	AF
05IIV3201	C-5 Anti-Skid Detection System	367 TRSS	AF
05TIV1300	C-5 Landing Gear T/S and Maintenance	367 TRSS	AF
05TIV1301	C-5 Landing Gear Rigging	367 TRSS	AF
10CVT0001	KC-10 Emergency Ground Egress	367 TRSS	AF

COURSE NO.	COURSE TITLE	OPR	USER
10TIV4600	KC-10 Air Refueling System T/S and Maintenance	367 TRSS	AF
15AIV1301	F-15 Landing Gear T/S and Maintenance	367 TRSS	AF
16AIV1301	F-16 C/D Landing Gear System T/S and Maintenance	367 TRSS	AF
16AIV1302	F-16 C/D Block 50 Landing Gear System T/S and Maintenance	367 TRSS	AF
16TIV3202	F-16 C/D Block 50 Anti-Skid and Brake System T/S	367 TRSS	AF
30TIT0001	C-130 Emergency Escape	367 TRSS	AF
30TIV0001	C-130 Safe For Maintenance	367 TRSS	AF
35CVT0001	C-135 Emergency Ground Egress Procedures	367 TRSS	AF
35TIV4670	KC-135R Air Refueling System	367 TRSS	AF
41TIV1410V1	C-141B Secondary Flight Controls System (Flaps and Spoilers)	367 TRSS	AF
41UIV11B1	C-141 Cargo Doors and Ramp Operation	367 TRSS	AF
52CVT0003	B-52H Emergency Ground Egress	367 TRSS	AF
52TVT1202	B-52H Seat Safety	367 TRSS	AF
J6AZU2E066 038	Air Force Technical Order (T.O.) System (Gen)	362 TRS	AF
J6AZU2E066 039	Air Force Technical Order (T.O.) System (Gen) (Adv)	362 TRS	AF
J6ANU00066-043	CAMS for Flightline and Backshop	362 TRS	AF

13. Training Detachment (TD) Courses.

For further information on the TD courses, contact the OPRs at:

372 TRS 912 I Ave Suite 3 Sheppard AFB, TX 76311-2361 DSN 736-4801	373 TRS 912 I Ave Suite 4 Sheppard AFB, TX 76311-2362 DSN 736-4679
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COURSE NO. J4AMF/ASF/AST	COURSE TITLE	OPR	USER
2A6X5-001	B-1B Acft Hydraulic Systems	372 TRS	AF
2A6X5-003	KC-10A Acft Hydraulic Systems Specialist	373 TRS	AF

COURSE NO. J4AMF/ASF/AST	COURSE TITLE	OPR	USER
2A6X5-004	KC-10A Acft Hydraulic Systems Journeyman	373 TRS	AF
2A6X5-005	EC/KC-135 In-Flight Refueling Sys Repair Tech	373 TRS	AF
2A6X5-007	U-2R Acft Hydraulic System Craftsman	373 TRS	AF
2A6X5-008	E-4B Acft Hydraulic System Technician	373 TRS	AF
2A6X5-012	H-53 Helicopter Hydraulic Technician	373 TRS	AF
2A6X5-013	B-52 Acft Hydraulic System Maintenance	372TRS	AF
2A6X5-014	EC-135 OA-8035/ARC-96 Antenna Group	373 TRS	AF
2A6X5-016	KC-135 Acft Hydraulic Repair Craftsman	373 TRS	AF
2A6X5-019	C-141 Hydraulic System Technician	373 TRS	AF
2A6X5-024	C-5 Acft Hydraulic System Technician	373 TRS	AF
2A6X5-030	HC/MC-130E/P/N In-Flight Refueling System	373 TRS	AF
2A6X5-032	C-130 Hydraulic Repair Technician	373 TRS	AF
2A6X5-037	B-2 Acft Pneudraulic System	372 TRS	AF
2A6X5-041	E-8C Hydraulic System Technician	373 TRS	AF
2A6X5-043	C-17 Hydraulic (Transition) System	373 TRS	AF
2A6X5-044	C-17 Hydraulic (Advanced) System	373 TRS	AF
2A6X5-045	KC-135 Multipoint Refueling System (MPRS) Hydraulic Craftsman	373 TRS	AF
2A6X5-048	KC-135 Inflight Refueling System Repair Craftsman	373 TRS	AF
2A6X5-049	KC-135R/T Aircraft Pneudraulic System Craftsman (Transition)	373 TRS	AF
2A6X5-052	KC-135R/T Aircraft Pneudraulic System Troubleshooting	373 TRS	AF
2A6X5-060	C-17A Hydraulic Troubleshooting	373 TRS	AF
2A6X5-061	C-130J Hydraulic Systems (O/M)	373 TRS	AF

14. Courses Under Development/Revision - N/A

Section E - MAJCOM Unique Requirements. There are no mandatory MAJCOM requirements. The below listed courses are available from HQ ACC LSG/OL-CA.

15. MAJCOM Courses. Contact the course OPRs at:

HQ ACC LSG / OL-CA

6058 Aspen
 Hill AFB, UT 84056-5805
 DSN 777-4278

COURSE NO.	COURSE TITLE	OPR	USER
Y140009	ACC Production Superintendent	HQACC/ LSG	ACC
Y140015	ACC Maintenance Instructor	HQACC/ LSG	ACC
Y140020	ACC Maintenance Training Management	HQACC/ LSG	ACC

HQ AMC/LGMMT
 402 Scott Drive Unit 2A2
 Scott AFB, IL 62225-5308
 DSN 779-4787

COURSE NUMBER	COURSE TITLE	OPR	USER
C005X-2A655X-521	Pneudraulics (MQTP Phase III)	436 LSS/LGLT	AMC
C005X-2A655X-522	Pneudraulics (MQTP Phase IV)	436 LSS/LGLT	AMC
C5-2A655X-2	Pneudraulics (MQTP Phase II)	436 LSS/LGLT 60LSS/LGLT	AMC
C9A-2A6X5-4	C-9 Hydraulic Cross Utilization Training (CUT) (MQTP Phase IV)	375 LSS/LGLTQ	AMC
C9A-2A6X5-2	C-9 Hydraulic Duty Position Training (MQTP Phase II)	375 LSS/LGLTQ	AMC
C9A-2A6X5-3	C-9 Hydraulic Transition Training (MQTP Phase III)	375 LSS/LGLTQ	AMC
C-130-2A6X5-2	C-130 MQTP Phase II Hydraulics	317 MXS/LGLT 463 LSS/LGLT	AMC
C130-2A6X5-3	C-130 MQTP Phase III Hydraulics	43 LSS/LGLT	AMC
KC135-2A6X5-2	KC-135 Hydraulics (MQTP Phase II)	92 LSS/LGLT	AMC
KC135-2A6X5-	180Phase II Pneudraulics Qualification Course	319 LSS/LGLT	AMC
KC135-2A6X5-181	KC-135 Pneudraulics Systems (Hydro) Aircraft Transition Training (MQTP Phase III)	6 LSS/LGLT	AMC
KC135-2A6X5-182	KC-135 Pneudraulics Systems (Hydro) Cross Utilization Training (CUT) (MQTP Phase IV)	6 LSS/LGLT	AMC
KC135-2A6X5-180	KC-135 Pneudraulics Systems (Hydro) Duty Position Training (MQTP Phase II)	6 LSS/LGLT	AMC
KC135-2A655X-174	KC-135R Inflight Refueling (IFR)	22 LSS/LGLT	AMC

	System		
C141B-2A6X5-2	C-141 Hydraulic Systems (MQTP Phase II)	305 LSS/LGLT	AMC
C141B-2A6X5-3	C-141 Hydraulic Systems (MQTP Phase III)	305 LSS/LGLT	AMC
C141B-2A6X5-4	C-141 Hydraulic Systems (MQTP Phase IV)	305 LSS/LGLT	AMC
KC-10A-2A6X5X-2	KC-10 Hydraulic Systems (MQTP Phase II)	305 LSS/LGLT	AMC
KC-10A-2A6X5X-4	KC-10 Hydraulic Systems (MQTP Phase IV)	305 LSS/LGLT	AMC
KC10A-2A6X5X-820	KC-10 Pneudraulic Systems (MQTP Phase II)	60 LSS/LGLT	AMC
KC10A-2A6X5X-822	KC-10 Pneudraulic Systems (MQTP Phase IV)	60 LSS/LGLT	AMC
J6ADL2A6X5-017	KC-135R Pneudraulic Systems Repair Tech (Differences)	22 LSS/LGLT	AMC
C017A-2A6X5-632	C-17A Hydraulics Cross Utilization Training (CUT) (MQTP Phase IV)	437 LSS/LGLT 62 LSS/LGLT	AMC
C017A-2A6X5-2	C-17A Hydraulics Duty Position Training (MQTP Phase II)	437 LSS/LGLT 62 LSS/LGLT	AMC
C017A-2A6X5-631	C-17A Hydraulics Transition Training (MQTP Phase III)	437 LSS/LGLT 62 LSS/LGLT	AMC